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SAMSUNG

3WAY COMBINATION TELEVISION

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

REMOTE CONTROL
ON-SCREEN MENUS
VCR / DVD / VCD / CD / MP3 PLAYER
TELETEXT FUNCTION (depending on the model)

Safety Instructions

ENG

- ***Do not expose the television to extreme temperature conditions or to extreme humidity conditions.***
- ***Do not expose the television to direct sunlight and other sources of heat.***
- ***Do not expose the television to any liquids.***
- ***Never put objects of any kind into the television, and do not place a water-containing vessel on the television.***
- ***During a storm conditions (especially when there is lightning) unplug the television from the mains socket and aerial.***
- ***Do not step on or twist the power cord.***
- ***Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.***
- ***Please use a soft and dry cloth (not containing volatile matter) when you clean the TV.***
- ***If the television is broken, do not try to repair it yourself. Contact qualified service personnel.***
- ***If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.***
- ***Do not drop the remote control.***

☛ ***Displaying any stationary images that exceed the long time, it can cause uneven aging of picture tubes (CRTs) that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.***

This device is not for use in industrial environments.

Caution

ENG

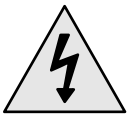
CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

The lightning flash and arrow head within the triangle is a warning sign alerting you of “dangerous voltage” inside the product.



The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

☛ ***The main voltage is indicated on the rear of the TV set and the frequency is 50 or 60Hz.***

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ENG

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Press

Important

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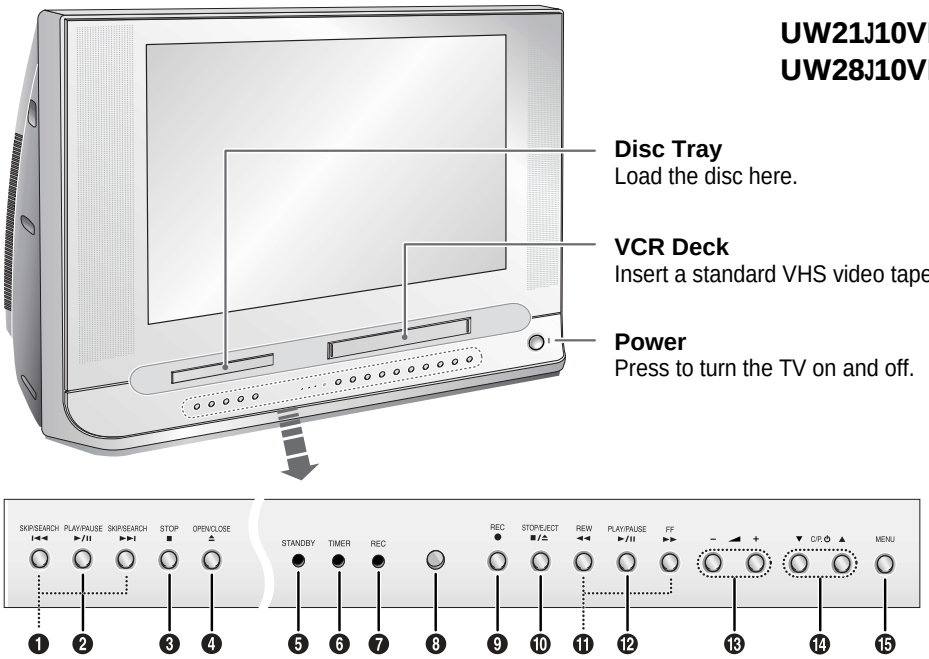
View of Your Television

ENG

➢ The actual configuration on your TV may be different, depending on your model.

Control Panels

UW21J10VD
UW28J10VD

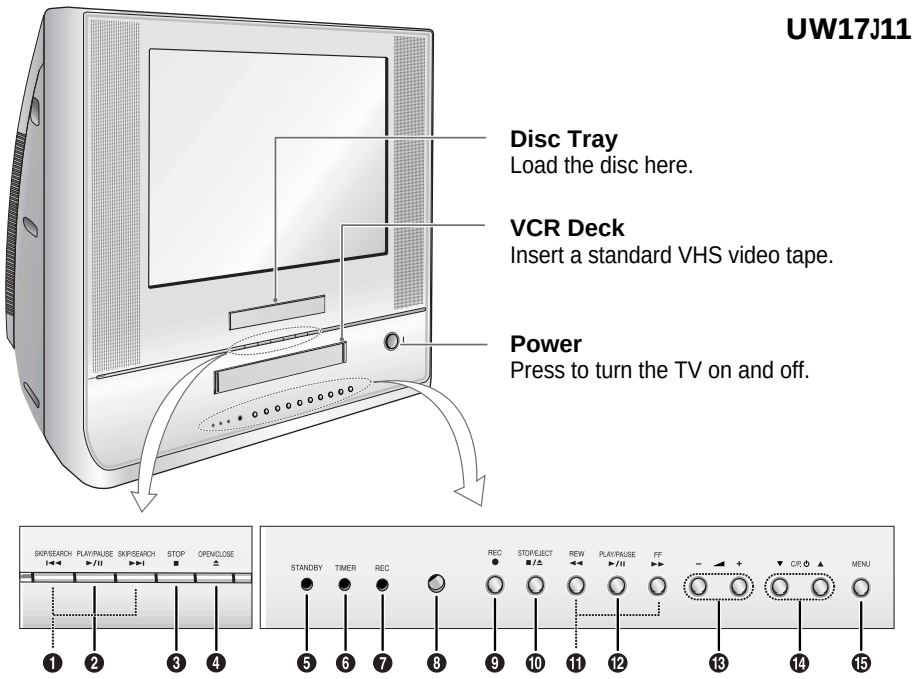


Disc Tray
Load the disc here.

VCR Deck
Insert a standard VHS video tape.

Power
Press to turn the TV on and off.

UW17J11



Disc Tray
Load the disc here.

VCR Deck
Insert a standard VHS video tape.

Power
Press to turn the TV on and off.

View of Your Television (continued)

➢ The actual configuration on your TV may be different, depending on your model.

ENG

Control Panels (continued)

❶ **SKIP/SEARCH** (DVD)
Press to skip or search the title, chapter or track.

❷ **PLAY/PAUSE** (DVD)
Press to play or pause the disc

❸ **STOP** (DVD)
Press to stop the disc.

❹ **OPEN/CLOSE** (DVD)
Press to open and close the disc tray.

❺ **STAND BY** (indicator)
Lit when TV power is Off.

❻ **TIMER** (indicator)
Lit when the program times are stored.

❼ **REC** (indicator)
Lit when the VCR is recording.

❽ **Remote Control Sensor**
Aim the remote control towards this spot on the TV.

❾ **REC** (VCR)
Press to begin recording.

❿ **STOP/EJECT** (VCR)
Press to stop a video tape during play, record, rewind, or fast forward. Press to eject a video tape if the tape is stopped.

⓫ **REW** / **FF** (VCR)
Press to rewind/fast forward a videotape.

⓬ **PLAY/PAUSE** (VCR)
Press to play or pause a video tape.

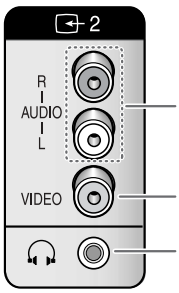
⓭ **– ◢ +**
Press to increase or decrease the volume.

⓮ **▼ C/P.⏻ ▲**
Press to change channels.

⓯ **MENU**
Press to display the on-screen menu.

Connection Panels

Side of the TV



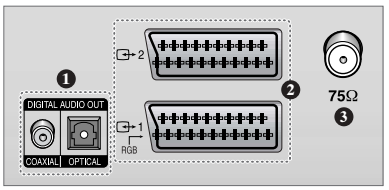
Audio Inputs (R, L)

Video Input

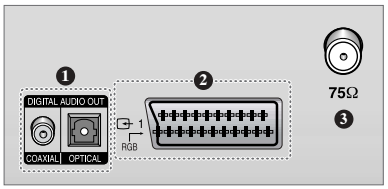
Headphone Connector

Rear of the TV

UW21J10VD/UW28J10VD



UW17J11



❶ Digital Audio Outs
❷ SCART Audio/ Video Input/Outputs
❸ 75Ω Coaxial Connector for Aerial/ Cable Network

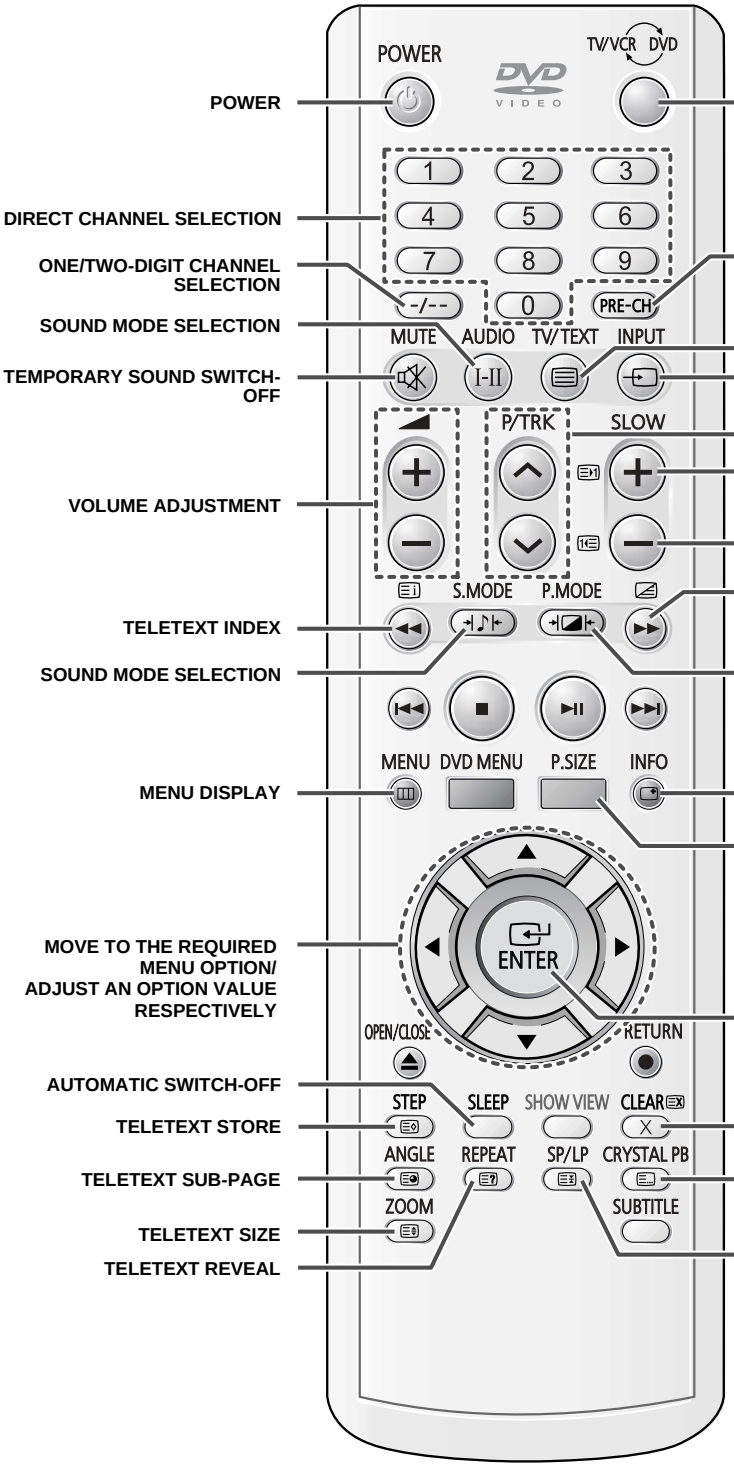
➢ For further details about connection, refer to pages 75~76.

☛ Whenever you connect an audio or video system to your television, ensure that all elements are switched off.

Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

Infrared Remote Control (Television and Teletext Functions)

ENG



POWER

SWITCH BETWEEN THE TV/VCR AND DVD MODE

DIRECT CHANNEL SELECTION

ONE/TWO-DIGIT CHANNEL SELECTION

SWITCH REPEATEDLY BETWEEN THE LAST TWO CHANNELS DISPLAYED

SOUND MODE SELECTION

TELETEXT DISPLAY

TEMPORARY SOUND SWITCH-OFF

EXTERNAL INPUT SELECTION

CHANNEL SELECTION

VOLUME ADJUSTMENT

TELETEXT NEXT PAGE

TELETEXT PREVIOUS PAGE

MIX BOTH TELETEXT INFORMATION AND THE NORMAL BROADCAST

TELETEXT INDEX

SOUND MODE SELECTION

PICTURE MODE SELECTION

MENU DISPLAY

ON-SCREEN DISPLAY

PICTURE SIZE SELECTION

MOVE TO THE REQUIRED MENU OPTION/ ADJUST AN OPTION VALUE RESPECTIVELY

CHANGE CONFIRMATION/ HIGHLIGHTED OPTION SELECTION

AUTOMATIC SWITCH-OFF

TELETEXT STORE

TELETEXT CANCEL

TELETEXT SUB-PAGE

TELETEXT MODE SELECTION (LIST/FLOF)

TELETEXT SIZE

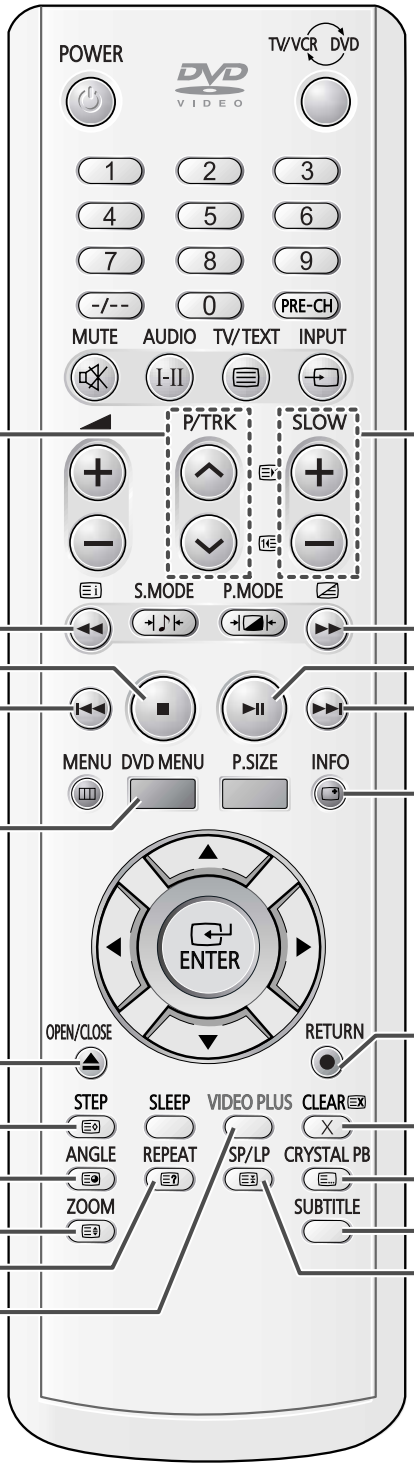
TELETEXT REVEAL

TELETEXT HOLD

➢ Operation of remote control may be affected by bright artificial light near to the TV set.

Infrared Remote Control (VCR and DVD Functions)

ENG



TAPE ALIGNMENT ADJUSTMENT

SEARCH BACKWARD

STOP

BACK SKIP THE TITLE, CHAPTER, OR TRACK

DVD MENU DISPLAY

OPEN/CLOSE THE DISC TRAY

ADVANCES PLAY ON FRAME AT A TIME

ACCESS VARIOUS CAMERA ANGLES ON A DVD

ZOOM

REPEAT PLAY

VIDEOPLUS PRESET RECORDING
(The VIDEOPLUS printed in SHOWVIEW on the Remote Control Unit except UK model.)

PLAY IN SLOW MOTION

SEARCH FORWARD

PLAY/PAUSE

NEXT SKIP THE TITLE, CHAPTER, OR TRACK

VCR: COUNTER, REMAIN
DVD : DISPLAY

VCR RECORD/
RETURN TO PREVIOUS MENU

TO CANCEL OR CLEAR EACH SELECTED FUNCTION

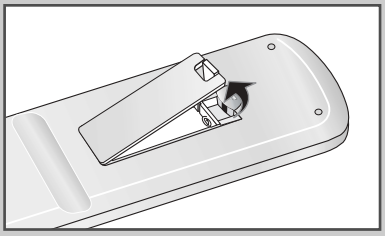
CRYSTAL PLAYBACK (IPC)

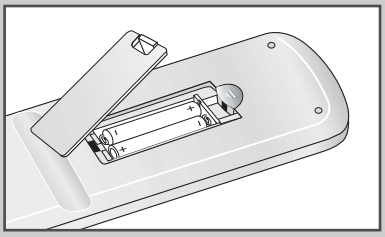
DISPLAY SUBTITLES

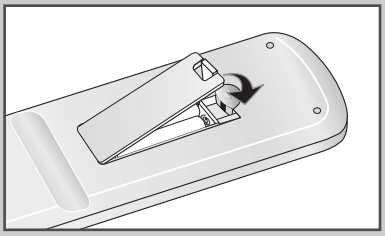
VCR SPEED SELECTION
(STANDARD PLAY/LONG PLAY)

ENG

Inserting the Batteries in the Remote Control







You must insert or replace the batteries in the remote control when you:

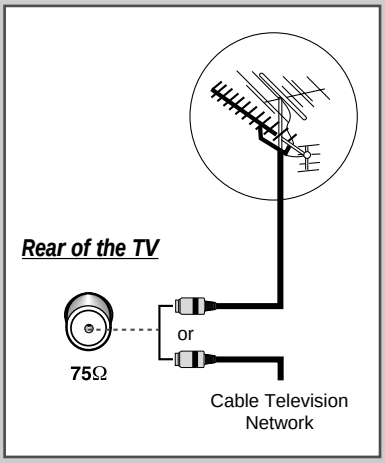
- ***Purchase the television***
- ***Find that the remote control is no longer operating correctly***

1 Remove the cover on the rear of the remote control by pressing the symbol (⏏) downwards and then pulling firmly to remove it.

2 Insert two R03, UM4, "AAA" 1.5V or equivalent batteries taking care to respect the polarities:
- **+** on the battery against **+** on the remote control
- **–** on the battery against **–** on the remote control

3 Replace the cover by aligning it with the base of the remote control and pressing it back into place.

Connecting to an Aerial or Cable Television Network



To view television channels correctly, a signal must be received by the set from one of the following sources:

- ***An outdoor aerial***
- ***A cable television network***
- ***A satellite network***

1 In the first three cases, connect the aerial or network input cable to the 75Ω coaxial socket on the rear of the television.

2 If you are using an indoor aerial, you may need to turn it when tuning your television until you obtain a picture that is both sharp and clear.
For further details, refer to:
- "Storing Channels Automatically" on page 16
- "Storing Channels Manually" on page 17

Switching Your Television On and Off

ENG

The mains lead is attached to the rear of your television.

☛ If you have purchased this television in the United Kingdom, refer to page 82 for further instructions on plug wiring.

1 Plug the mains lead into an appropriate socket.

➢ The main voltage is indicated on the rear of the television and the frequency is 50 or 60Hz.

2 Press the " **I** " button (On/Off) on the front of the television.

Result: The Standby indicator on the front of the television lights up.

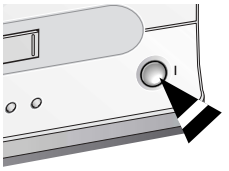
3 Press the **POWER** (⏻) button on the remote control to switch the television on.

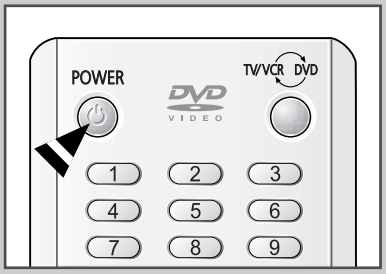
Result: The programme that you were watching last is re-selected automatically.

➢ If you have not yet stored any channels, No clear picture appears. Refer to "Storing Channels Automatically" on page 16 or "Storing Channels Manually" on page 17.

4 To switch your television off, press again the **POWER** (⏻) button on the front of the television.

Front of the TV





Placing Your Television in Standby Mode

Your television can be placed in Standby mode, in order to reduce the power consumption.

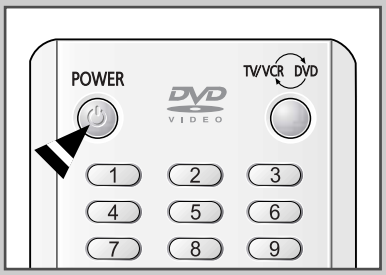
The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1 Press the **POWER** (⏻) button on the remote control.

Result: The screen is turned off and the Standby indicator on the front of the television lights up.

2 To switch the television back on, simply press again the **POWER** (⏻) button on the remote control.

☛ Do not leave your television in Standby mode for long periods of time (when you are away on holiday, for example). Turn your television off by pressing the " **I** " button (On/Off) on the front of the television. It is best to unplug the set from the mains and aerial.



Automatic Degaussing to Remove Colour Patches

ENG

A degaussing coil is mounted around the picture tube so that external degaussing after moving the receiver is normally unnecessary. If the receiver is moved or placed in a different direction, or, a coloured patch appears on the screen, the main power switch must be switched to the off position for 120minutes or the power cord must be unplugged for the same interval to allow the automatic degauss circuits to operate properly.

For safety, the receiver should be switched off from the main power switch when it is unattended.

☛ Magnetic fields can cause your television to malfunction. Degaussing is a process that neutralises magnetic fields.

Becoming Familiar with the Remote Control

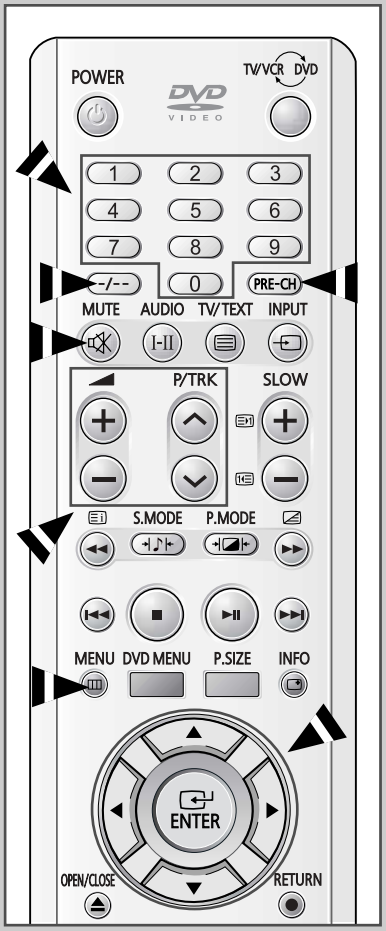
ENG

The remote control is used mainly to:

- ***Change channels and adjust the volume***
- ***Set up the television using the on-screen menu system***

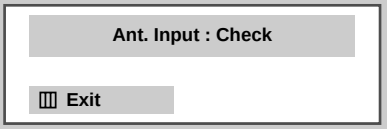
The following table presents the most frequently used buttons and their functions.

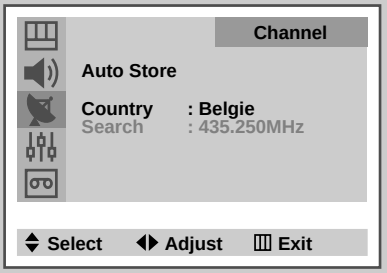
Button	Viewing Function	Menu Function
⌃	Used to display the next stored channel.	–
⌄	Used to display the previous stored channel.	–
0 to 9	Used to display the corresponding channels.	
–/--	Used to select a channel numbered ten or over. Press this button, and the "**P--**" symbol is displayed. Enter the two-digit channel number.	
PRE-CH	Used to switch repeatedly between the last two channels displayed.	
⊕	Used to increase the volume.	–
⊖	Used to decrease the volume.	–
MUTE 🔇	Used to switch the sound off temporarily. ➢ To turn the sound back on, press this button again, or ⊕ or ⊖ button.	
MENU ▥	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
▲▼◀▶	–	Used to... ◆ Display a submenu containing selections for the current menu option. ◆ Increase/reduce a menu option value.
ENTER	–	Used to confirm your choice.

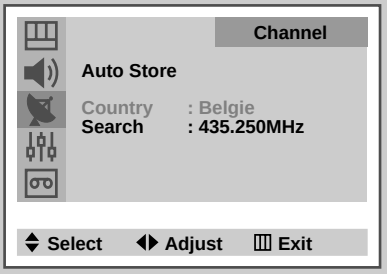


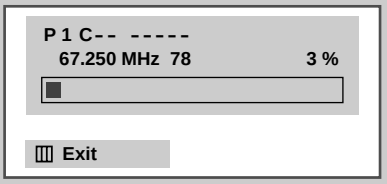
Plug and Play Feature

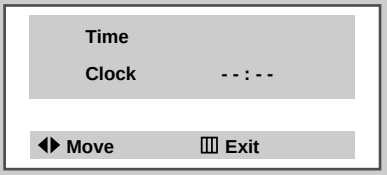
ENG











When the television is initially powered on, several basic customer settings proceed automatically and subsequently. The following settings are available.

1 If the television is in Standby mode, press the **POWER** (⏻) button on the remote control.

Result: The **Plug & Play** is displayed.

2 To start the Plug & Play, press the **ENTER** button.

Result: The **Language** menu is displayed.

3 Select the appropriate language by pressing the ▼ or ▲ button. Press the **MENU** (▥) button to confirm your choice.

Result: The message **Antenna input check** is displayed.

4 Make sure that the antenna is connected to the TV.

Result: After a little while, the **Country** menu is displayed.

5 Select your country by pressing the ▲ or ▼ button. Press the **MENU** (▥) button to confirm your choice.

Result: The **Auto Store** menu is displayed.

6 To start the channel store, press the **ENTER** button.

Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range (with lowest first and hialghest last).

➢ To stop the search before it has finished or return to normal viewing, select the **Exit** and press the **ENTER** button.

7 When searching and storing is complete, the **Time** menu is displayed.

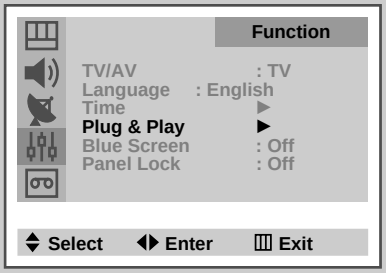
8 Press the ◄ or ► button to move to the hour or minute. Set the hour or minute by pressing the ▲ or ▼ button (refer to "Setting the Current Date and Time" on page 32).

9 When the setting has finished all, the message **Enjoy viewing your new TV** is displayed, and then the channel which has been stored will be activated.

Plug and Play Feature (continued)

ENG

If you want to reset this feature...



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the ◀ or ▶ button.

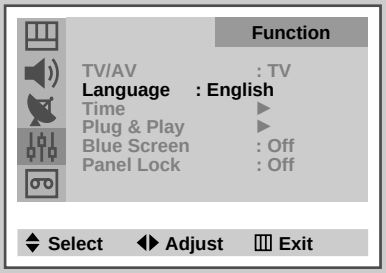
4 Press the ▼ or ▲ button to select **Plug & Play**.

5 Press the ◀ or ▶ button.

Result: This feature starts with the message **Plug & Play** is displayed.

Choosing Your Language

When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

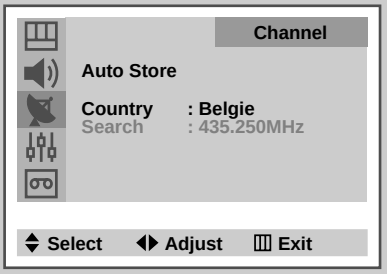
3 Press the ◀ or ▶ button.

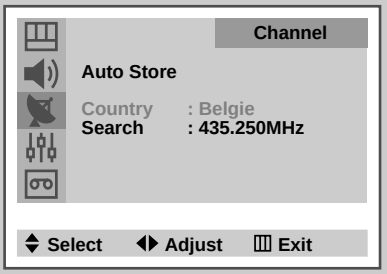
Result: The **Language** is selected.

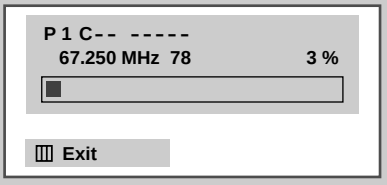
4 Select the appropriate language by pressing the ◀ or ▶ button repeatedly.

Storing Channels Automatically

ENG







You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.

1 Press the **MENU** button.
Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Channel**.
Result: The options available in the **Channel** group are displayed.

3 Press the ◄ or ► button.
Result: The **Auto Store** is selected.

4 Press the ◄ or ► button again.
Result: The **Auto Store** menu is displayed with the **Country** is selected.

5 Select your country by pressing the ◄ or ► button.
The countries are displayed in the following order:
Belgie – **Deutschland** – **España** – **France** – **Italia** – **Nederland** – **Sverige** – **Schweiz** – **UK** – **Others**.

➢ If you have selected the **Others** option but do not wish to scan the PAL frequency range, store the channels manually (see page 17).

6 Press the ▼ or ▲ button to select **Search**.

7 Press the ◄ or ► button to start the search.
Result: The channels are stored in an order which reflects their positions in the frequency range. Finally, the search will end automatically.

➢ To stop the search before it has finished or return to normal viewing, press the **MENU** button.

8 When the channels have been stored, you can:
- Assign a name to the stored channels (refer to page 19)
- Clear a channel (refer to page 20)
- Fine tune channel reception if necessary (refer to page 21)
- Sort them in the order required (refer to page 22)

Storing Channels Manually

ENG

You can store the television channels, including those received via cable networks.

When storing channels manually, you can choose:

- ***Whether or not to store each of the channels found***
- ***The programme number of each stored channel which you wish to identify***

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Manual Store**. Press the ◄ or ► button.

Result: The **Manual Store** menu is displayed with the **Color System** is selected.

5 If necessary, select the broadcasting standard required by pressing the ◄ or ► button repeatedly.

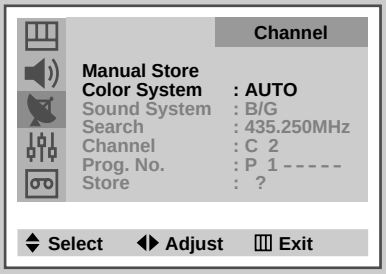
Result: The color standards are displayed in the following order (depending on the model).

- **AUTO – PAL – SECAM – NTSC4.43**
- **AUTO – PAL – SECAM – NTSC4.43 – NTSC3.58**

6 Press the ▼ or ▲ button to select **Sound System**. Press the ◄ or ► button repeatedly.

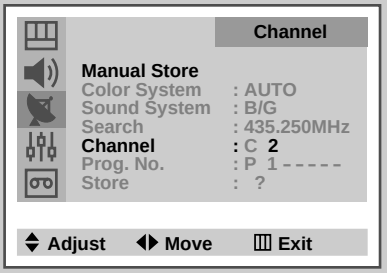
Result: The sound standards are displayed in the following order (depending on the model).

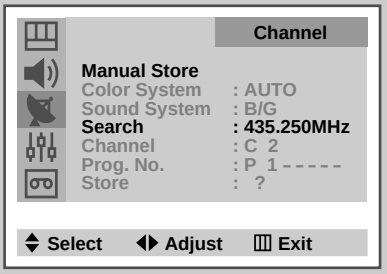
- **B/G – I – D/K – L/L'**
- **B/G – I – D/K – M**

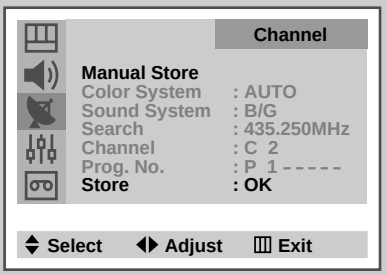


Storing Channels Manually (continued)

ENG







7 If you know the number of the channel to be stored, see the following steps.

- Press the ▼ or ▲ button to select **Channel**.
- Press the ▶ button.
- Press the ▼ or ▲ button to select **C** (Air channel) or **S** (Cable channel).
- Press the ▶ button.
- Press the ▼ or ▲ button to select the required number.

➢ If no sound or abnormal sound, re-select the sound standard required.

8 If you do not know the channel numbers, select **Search** by pressing the ▼ or ▲ button. Press the ◀ or ▶ button to start the search.

Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

9 To assign a programme number to a channel, select **Prog.No.** by pressing the ▼ or ▲ button. Press the ◀ or ▶ button to find the correct number.

10 To store the channel and associated programme number, select **Store** by pressing the ▼ or ▲ button. Set to **OK** by pressing the ◀ or ▶ button.

11 Repeat Steps **7** to **10** for each channel to be stored.

☛ ***Channel mode***

- **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to max P99. You can select a channel by entering the position number in this mode.
- **C** (Real channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

Assigning Names to Channels

ENG

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the ◄ or ► button.

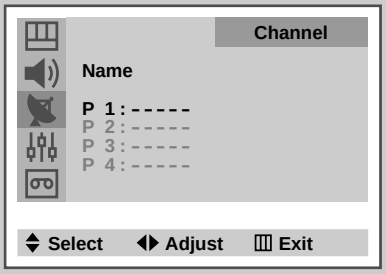
4 Press the ▼ or ▲ button to select **Name**. Press the ◄ or ► button.

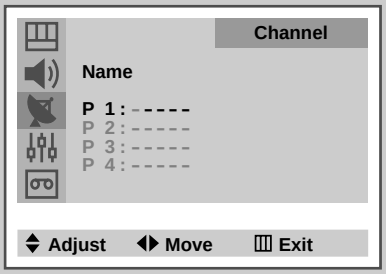
Result: The current channels are displayed.

5 If necessary, select the channel to be assigned to a new name by pressing the ▼ or ▲ button.

6 Move on the previous or next letter by pressing the ◄ or ► button. Press the ▼ or ▲ button to select a letter (A~Z), a number (0~9) or a symbol (–, _, space).

7 Repeat Steps **5** to **6** for each channel to be assigned to a new name.





Skipping Unwanted Channels

ENG

You can exclude the channels of your choice from the channel scan operation. When you scan through the stored channels, those that you have chosen to skip are thus not displayed. All channels that you do not specifically choose to skip are displayed during scanning.

1	Press the **MENU** button. Result: The main menu is displayed.
2	Press the ▼ or ▲ button to select **Channel**. Result: The options available in the **Channel** group are displayed.
3	Press the ◄ or ► button.
4	Press the ▼ or ▲ button to select **Add/Erase**. Press the ◄ or ► button. Result: The current channels are displayed.
5	Press the ▼ or ▲ button to select the channel to add or erase. Select **Erased** or **Added** by pressing the ◄ or ► button.
6	Repeat Step **5** for each channel to be added or erased.

Fine Tuning Channel Reception

ENG

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, you may have to fine tune the channel manually.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Fine Tune**. Press the ◄ or ► button.

Result: The **Fine Tune** menu is displayed with the **Tune** is selected.

5 To obtain a sharp and clear picture and good sound quality, press the ◄ or ► button.

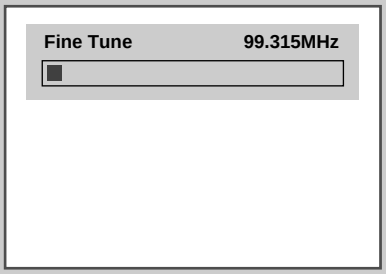
Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◄ or ► button.

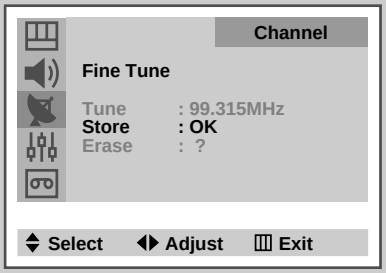
6 To memorise adjusted picture or sound, select **Store** by pressing the ▼ or ▲ button. Press the ◄ or ► button.

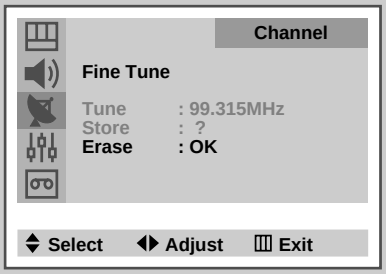
Result: **OK** is displayed.

7 To erase adjusted picture or sound, select **Erase** by pressing the ▼ or ▲ button. Press the ◄ or ► button.

Result: **OK** is displayed.

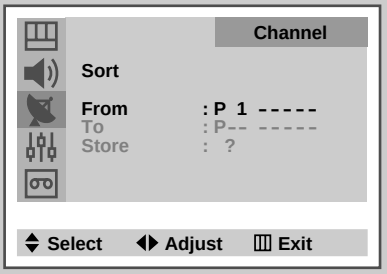


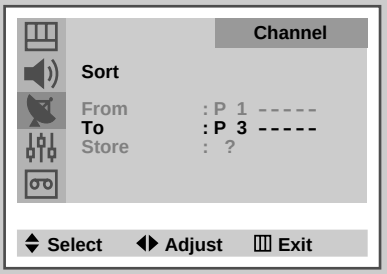


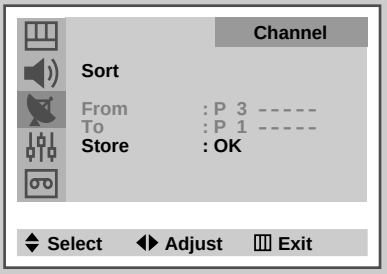


Sorting the Stored Channels

ENG







This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using auto store. You can delete the channels you do not want to keep.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Sort**. Press the ◄ or ► button.

Result: The **Sort** menu is displayed with the **From** is selected.

5 Select the channel number that you wish to change by pressing the ◄ or ► button repeatedly.

6 Press the ▼ or ▲ button to select **To**. Select the new channel number which you wish to identify by pressing the ◄ or ► button repeatedly.

7 Press the ▼ or ▲ button to select **Store**. Select **OK** to confirm the exchange of channel numbers by pressing the ◄ or ► button.

Result: The selected channel is exchanged with the one previously stored to the chosen number.

8 For all the channels to move to the required channel numbers, repeat steps **5** to **7** after selecting the **From** by pressing the ▼ or ▲ button.

Activating the Child Lock

ENG

This feature allows you to lock individual channals so that they cannot be selected from the front panel or the remote. It can, however, still be switched on via the remote control. Thus, by keeping the remote control away from unauthorised users, such as children, you can prevent them from watching unsuitable programme.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

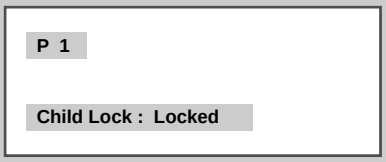
3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Child Lock**. Press the ◄ or ► button.

5 To activate this feature, select **On** by pressing the ◄ or ► button.

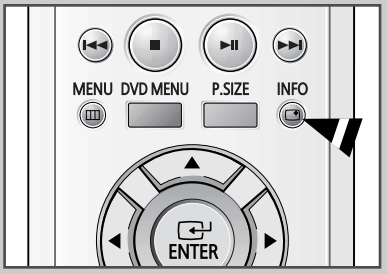
6 Press the ▼ or ▲ button to select **Prog.No.**. Select the number of the programme to which the channel is to be locked by pressing the ◄ or ► button.

7 Press the ▼ or ▲ button to select **Lock**. Select **Locked** by pressing the ◄ or ► button.



Displaying Information

ENG

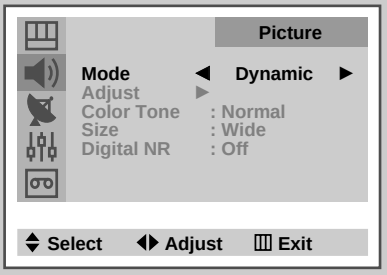


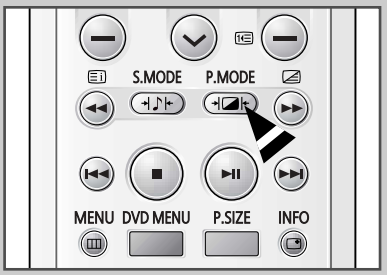
You can display various types of information on the screen to help you use your television.

Press the **INFO** button to display the information. To remove the information from the screen, press the **INFO** button again.

➢ When a cassette is present in the VCR or DVD, even if it is stopped, the same information is displayed in television mode as in the VCR or DVD mode.

Changing the Picture Standard





You can select the type of picture which best corresponds to your viewing requirements.

1 Press the **MENU** button.

Result: The options available in the **Picture** group are displayed.

2 Press the ◀ or ▶ button.

Result: The **Mode** is selected.

3 Select the required picture effect by pressing the ◀ or ▶ button repeatedly.

Result: The following picture effects are available: **Dynamic** – **Standard** – **Movie** – **Custom**.

➢ You can also set these options simply by pressing the **P.MODE** (Picture Mode) button.

Adjusting the Picture Settings

ENG

Your television has several settings which allow you to control picture quality.

1 Press the **MENU** button.

Result: The options available in the **Picture** group are displayed.

2 Press the ◄ or ► button.

3 Press the ▼ or ▲ button to select **Adjust**. Press the ◄ or ► button.

Result: The **Adjust** menu is displayed.

4 Press the ▼ or ▲ button to select the option to be adjusted (**Contrast**, **Brightness**, **Sharpness**, **Color**, or **Tint**-NTSC only). Press the ◄ or ► button.

Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◄ or ► button.

5 Press the **MENU** button.

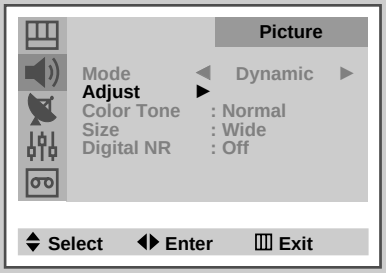
Result: The options available in the **Picture** group are displayed again.

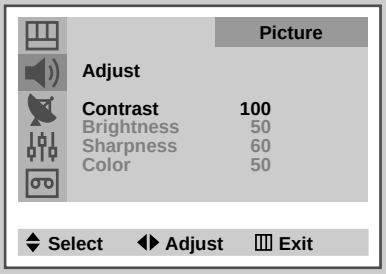
6 Press the ▼ or ▲ button to select **Color Tone**. Press the ◄ or ► button repeatedly.

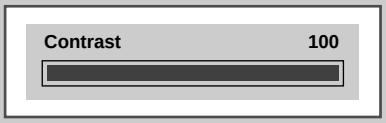
Result: The color tones are displayed in the following order.

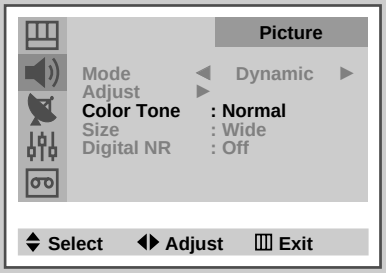
Normal – Warm 1 – Warm 2 – Cool 2 – Cool 1

➢ If you make any changes to these settings, the picture mode is automatically switched to **Custom**.



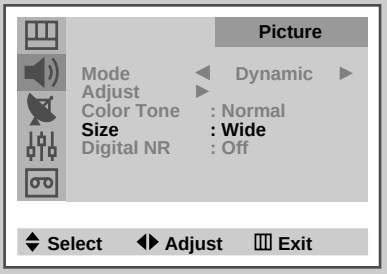


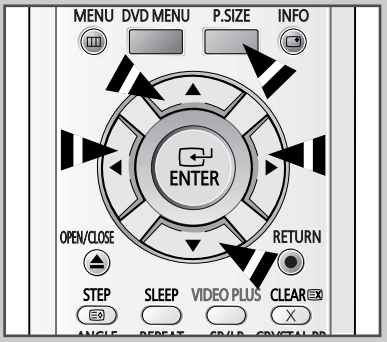




Selecting the Picture Size (depending on the model)

ENG





You can select the picture size which best corresponds to your viewing requirements.

1 Press the **MENU** button.

Result: The options available in the **Picture** group are displayed.

2 Press the ◀ or ▶ button.

3 Press the ▼ or ▲ button to select **Size**. Press the ◀ or ▶ button repeatedly.

Result: The picture sizes are displayed in the following order (depending on the model).

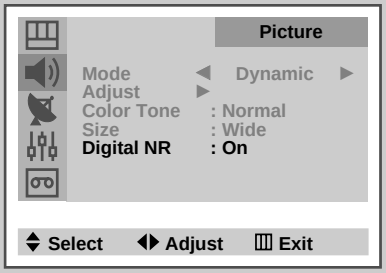
- **Wide – Panorama – Zoom1 – Zoom2 – 4:3**
- **Normal – Zoom**

➢ You can select these options by simply pressing the **P.SIZE** button on the remote control.

ENG

Activating/Deactivating the Digital Noise Reduction Feature

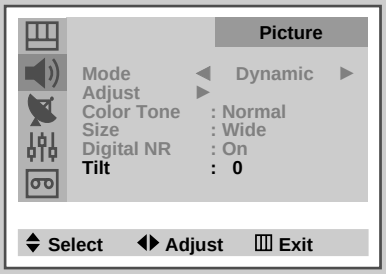
If the broadcast signal received by your television is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.



1. Press the **MENU** button.
   Result: The options available in the **Picture** group are displayed.
2. Press the ◀ or ▶ button.
3. Press the ▼ or ▲ button to select **Digital NR**.
4. To activate this feature, select **On** by pressing the ◀ or ▶ button.

Using the Tilt Control Feature (depending on the model)

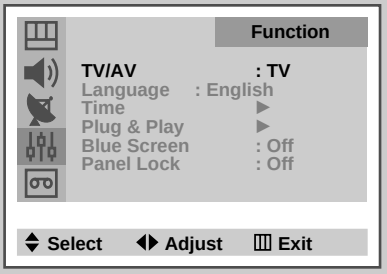
If you find that the picture received is slightly tilted to one side, you can adjust the tilt setting.



1. Press the **MENU** button.
   Result: The options available in the **Picture** group are displayed.
2. Press the ◀ or ▶ button.
3. Press the ▼ or ▲ button to select **Tilt**.
4. Press the ◀ or ▶ button to reach the required setting (**-7** to **+7**).

Viewing Pictures From External Sources

ENG



Once you have connected up your various audio and video systems, you can view different sources by selecting the appropriate input. You can select these options by simply pressing the INPUT (⏎) button on the remote control.

1 Press the **MENU** button.
Result : The main menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.
Result : The options available in the **Function** group are displayed.

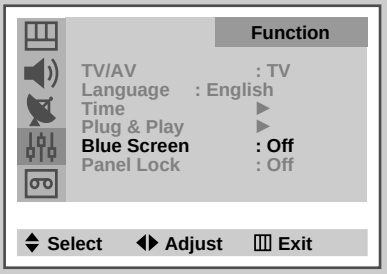
3 Press the ◀ or ▶ button.

4 Press the ▼ or ▲ button to select **TV/AV**.

5 Press the ◀ or ▶ button to change the setting.

➢
- Depending on the source selected, the pictures may appear automatically.
- To watch television programme again, press the **INPUT** button and select the number of the channel required.
- To connect different types of video equipment to your television, use the input connectors on the side and rear panels (RCA and SCART respectively).
If equipment is plugged into both these connectors, the side connector has priority.

Setting the Blue Screen



If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background.

If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".

1 Press the **MENU** button.
Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.
Result : The options available in the **Function** group are displayed.

3 Press the ◀ or ▶ button.

4 Press the ▼ or ▲ button to select **Blue Screen**.

5 Press the ◀ or ▶ button to change the setting (**Off** or **On**).

ENG

Changing the Sound Standard

You can select the type of special sound effect to be used when watching a given broadcast.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

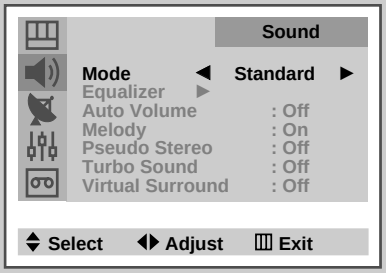
3 Press the ◄ or ► button.

Result: The **Mode** is selected.

4 Select the required sound effect by pressing the ◄ or ► button repeatedly.

Result: The following sound effects are available: **Standard** – **Music** – **Movie** – **Speech** – **Custom**.

➢ You can also set these options simply by pressing the **S.MODE** (Sound Mode) button.



Adjusting the Sound Settings

The sound settings can be adjusted to suit your personal preferences.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Sound**.

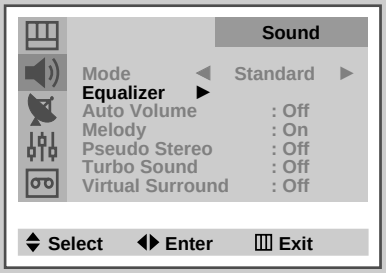
Result: The options available in the **Sound** group are displayed.

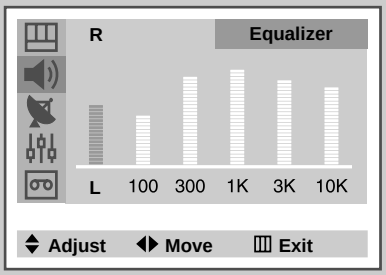
3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Equalizer**. Press the ◄ or ► button.

5 Press the ◄ or ► button to select the option to be adjusted. Adjust to satisfy your preference by pressing the ▼ or ▲ button.

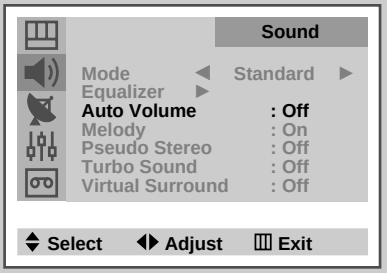
➢ If you make any changes to these settings, the sound mode is automatically switched to **Custom**.

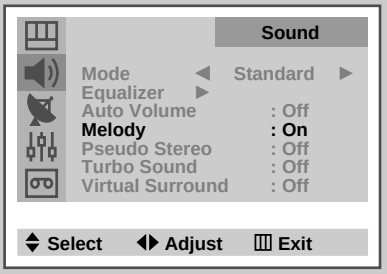


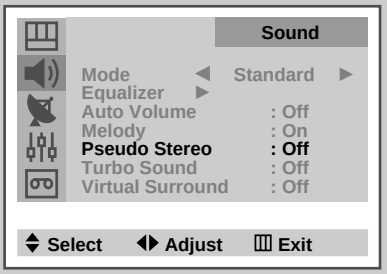


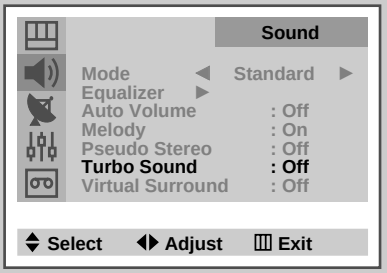
Extra Sound Settings

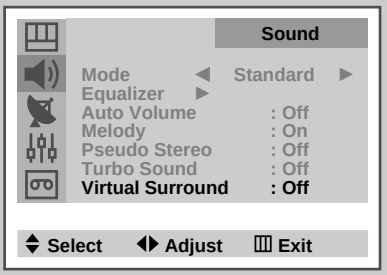
ENG











The following sound settings can be adjusted to suit your personal preferences.

- ***Auto Volume***

  Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

- ***Melody***

  You can hear clear melody sound when the television is powered on or off.

- ***Pseudo Stereo / Virtual Surround***

  Pseudo Stereo feature converts a monaural sound signal into two identical left and right channels.

  Once the **Pseudo Stereo** or **Virtual Surround** is set to **On** or **Off**, these settings apply to the sound effects such as **Standard**, **Music**, **Movie**, and **Speech**.

- ***Turbo Sound***

  You can enjoy more magnificent and dynamic sound when watching music, movie or other channel. **Turbo Sound** suitably emphasizes both higher and lower bands of sound (and includes other effects).

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

3 Press the ◀ or ▶ button.

4 Select the required option (**Auto Volume**, **Melody**, **Pseudo Stereo**, **Turbo Sound**, or **Virtual Surround**) by pressing the ▼ or ▲ button.

5 Press the ◀ or ▶ button to change the setting (**Off** or **On**).

Selecting the Sound Mode (depending on the model)

ENG

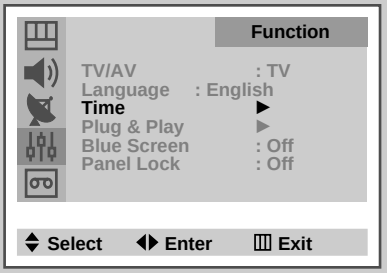
The "AUDIO I-II" button displays/controls the processing and output of the audio signal. When power is switched on, the mode is automatically preset to either "Dual-I " or "Stereo", depending on the current transmission.

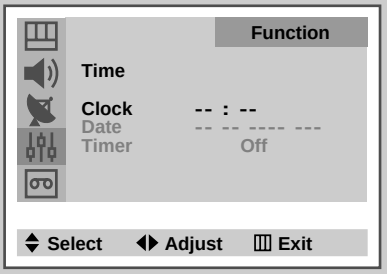
	Type of broadcast	On-screen indication
NICAM Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)
	Regular + NICAM Mono	**Mono** ↔ **Mono** **NICAM** (Normal)
	NICAM Stereo	**Stereo** ↔ **Mono** **NICAM** (Normal)
	NICAM Dual-I/II	**Dual-I** → **Dual-II** → **Mono** **NICAM** **NICAM** (Normal)
A2 Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)
	Bilingual or Dual-I/II	**Dual-I** ↔ **Dual-II**
	Stereo	**Stereo** ↔ **Mono** (Forced mono)

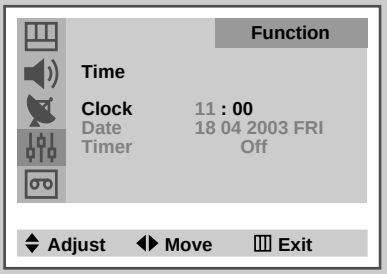
- If the receiving conditions deteriorate, listening will be easier if the mode is set to the **Mono**.
- If the stereo signal is weak and an automatic switching occurs, then switch to the **Mono**.
- When receiving a mono sound in the AV mode, connect to the "AUDIO-L" input connector on the panel (front or side). If the mono sound comes out only from left speaker, press the **AUDIO I-II** button.

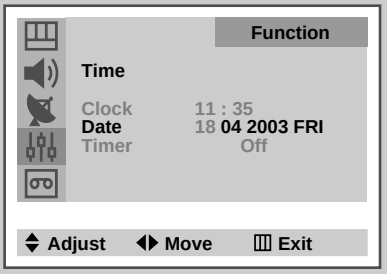
Setting the Current Date and Time

ENG









You can set the current date and time so that they are displayed by pressing the "INFO" button. You must also set the time if you wish to use the automatic on or off timers.

➢ When pressing the " **I** " button (On/Off) on the front of the television, the date and clock setting will be reset.

1	Press the **MENU** button. Result:	The main menu is displayed.
2	Press the ▼ or ▲ button to select **Function**. Result:	The options available in the **Function** group are displayed.
3	Press the ◄ or ► button.	
4	Press the ▼ or ▲ button to select **Time**. Press the ◄ or ► button. Result:	The **Time** menu is displayed with the **Clock** is selected.
5	To set the usery time, press the ◄ or ► button to move to the hour or minute. Set these by pressing the ▼ or ▲ button.	
6	Press the ▼ or ▲ button to select **Date**.	
7	Press the ◄ or ► button to move to the month, date, or year. Set these by pressing the ▼ or ▲ button.	

Switching the Television On and Off Automatically

ENG

You can set the On/Off timers so that the television will:

- ***Switch on automatically and tune to the channel of your choice at the time you select***
- ***Switch off automatically at the time you select***

➢ The first step is to set the television's clock (refer to "Setting the Current Date and Time" on page 32). If you have not yet set the clock, you can not set the timers.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Time**. Press the ◄ or ► button.

Result: The **Time** menu is displayed.

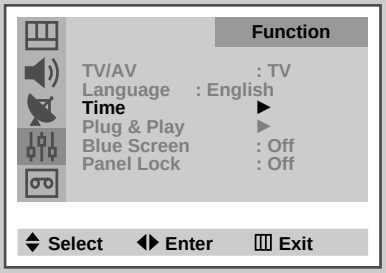
5 Press the ▼ or ▲ button to select **Timer**. Select **On** by pressing the ◄ or ► button

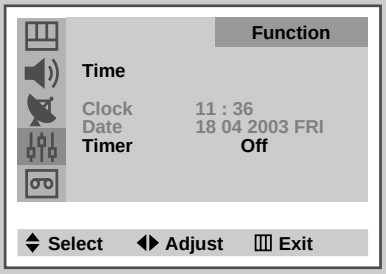
Result: The **On Time** and **Off Time** options are displayed.

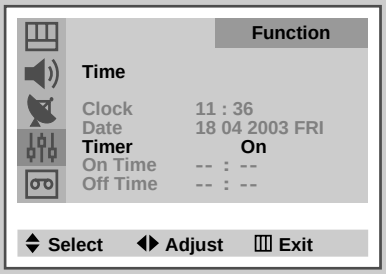
➢ If you have not yet set the clock, the message **Set the clock first** is displayed.

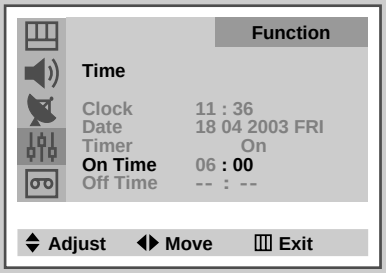
6 To switch on automatically, select **On Time** by pressing the ▼ or ▲ button. Press the ◄ or ► button to move to the hour or minute. Set these by pressing the ▼ or ▲ button.

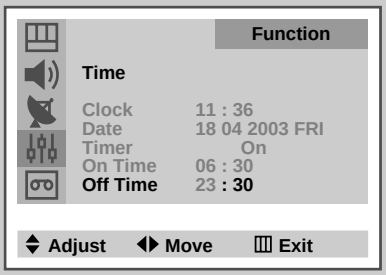
7 In the same way, set the **Off Time** to switch off automatically.





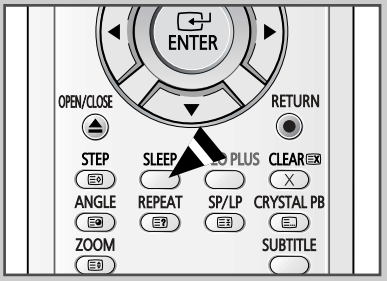






ENG

Setting the Sleep Timer



You can select a time period of between 30 and 180 minutes after which the television automatically switches to Standby mode.

1 Press the **SLEEP** button.

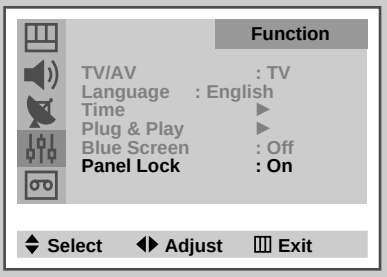
Result: If the sleep timer is not yet set, **Off** is displayed. If the sleep timer is already set, the remaining time before which the television switches to Standby mode is displayed.

2 Select the preset time intervals (30, 60, 90, 120, 150, 180) by pressing the **SLEEP** button repeatedly.

Result: The television automatically switches to Standby mode when the timer reaches 0.

➢
- After setting the sleep timer, you can display and modify the remaining time by pressing the **SLEEP** button again. To switch the sleep timer off, select **Off**.
- Your television switches to Standby mode automatically fifteen minutes after the last broadcast has finished on the selected channel.

Locking the Front Panel



The television panel can be locked to prevent it from being used by young children for example.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the ◀ or ▶ button.

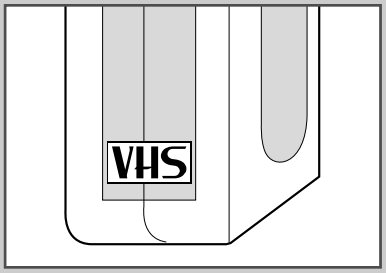
4 Press the ▼ or ▲ button to select **Panel Lock**.

5 Select **On** by pressing the ◀ or ▶ button.

Cassette Types and Recording Speeds (Option)

ENG

Only use high-quality VHS cassettes with your VCR. Cassettes can be of different lengths.



You can also record a cassette at two different speeds:

- ***SP (Standard Play)***
- ***LP (Long Play) - option***

In Long Play mode:

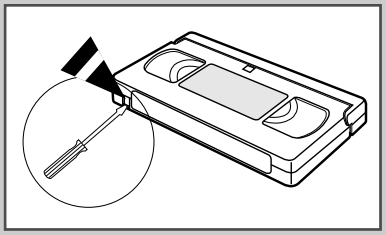
- ***Each cassette lasts twice as long***
- ***The recording is of a slightly lower quality***

Type	Recording Time (in SP)
E-30	30 mins. or 1/2 hour
E-60	60 mins. or 1 hour
E-120	120 mins. or 2 hours
E-180	180 mins. or 3 hours
E-240	240 mins. or 4 hours
E-300	300 mins. or 5 hours

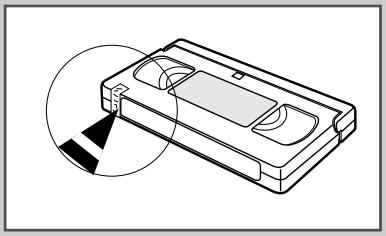
Type	Playback Time (in SP)
T-60	60 mins. or 1 hour
T-120	120 mins. or 2 hours
T-180	180 mins. or 3 hours

Protecting a Recorded Cassette

Video cassettes have a safety tab to prevent accidental erasure. When this tab has been removed, you <u>cannot</u> record on the tape.



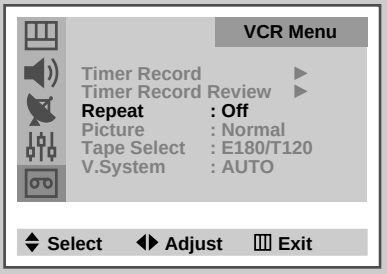
1	If you wish to protect a cassette, break off the tab using a small screwdriver.
2	To re-record over a protected cassette (safety tab broken), cover the opening with adhesive tape.

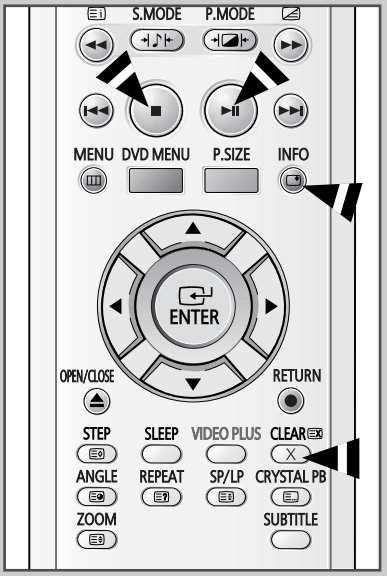


➢ When you insert a video cassette, playback starts automatically if the safety tab is broken (protected cassette); otherwise you must press the **PLAY/PAUSE** (▶/❚❚) button.
If you try to record on a protected cassette (safety tab broken), the cassette is ejected.

Repeating Playback of a Sequence or Cassette

ENG





This function enables you to play back:

- ***The whole cassette***
- ***A specific sequence on the cassette***

You can specify any length between 1 minute and 59 minutes.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **VCR Menu**.

Result: The options available in the **VCR Menu** group are displayed.

3 Press the ◀ or ▶ button.

4 Press the ▼ or ▲ button to select **Repeat**.

5 Select the required option (**Off**, **All**, or **0-0:00**) by pressing the ◀ or ▶ button.

- **Off :** Select to deactivate the function.
- **All :** Select to repeat the whole cassette. Select the location on the cassette where you wish to start repeating the sequence and set the tape counter to zero by pressing the **INFO** button followed by the **CLEAR** (**X**) button.
- **0-0:00 :** Select to repeat a specific sequence. Enter the length of the sequence in minutes using the numeric buttons.
  Example: To repeat a sequence lasting 35 minutes, enter 0:35.

6 Press the **PLAY/PAUSE** (▶/❚❚) button to start the playback.

Result: The cassette is played back for the specified length of time and is then rewind. When the tape counter reaches zero, the sequence is played back again.

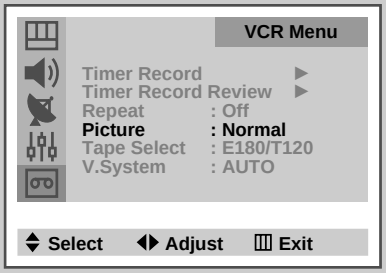
7 To cancel the repetition, press the **STOP** (■) button. And set **Repeat** to **Off**.

ENG

Adjusting the Picture Contours

When playing back a cassette, you can change the picture contours in line with your personal preferences. Four settings are available:

- ***Auto***
- ***Normal*** *(for a standard picture)*
- ***Sharp*** *(for a crisper picture)*
- ***Soft*** *(for a softer picture)*



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **VCR Menu**.

Result: The options available in the **VCR Menu** group are displayed.

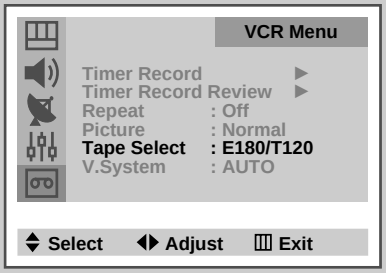
3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Picture**.

5 Select the required option (**Auto**, **Normal**, **Sharp**, or **Soft** or) by pressing the ◄ or ► button.

Selecting the Type of Cassette Tape

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted.



1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **VCR Menu**.

Result: The options available in the **VCR Menu** group are displayed.

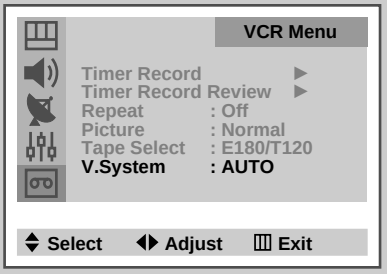
3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Tape Select**.

5 Select the required type of cassette tape (**E180/T120**, **E240/T160**, **E260/T180**, or **E300**) by pressing the ◄ or ► button.

Selecting the Video System (depending on the model)

ENG



➢ This function is not available on UK model.

To play back a cassette correctly, the appropriate video system must be selected.

➢ It is recommended that you select the **AUTO** option so that the standard is determined automatically by this unit and that you only change the setting if this unit is unable to identify the cassette automatically.

1 Press the **MENU** button.
Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **VCR Menu**.
Result: The options available in the **VCR Menu** group are displayed.

3 Press the ◀ or ▶ button.

4 Press the ▼ or ▲ button to select **V.System**.

5 Select the required video system (**AUTO**, **PAL**, **MESECAM**, **SECAM** or **NTSC** (Option)) by pressing the ◀ or ▶ button.
Result: The picture appears correctly. If you have not selected the correct standard, the picture may appear in black and white.

Selecting the HiFi Mode (depending on the model)

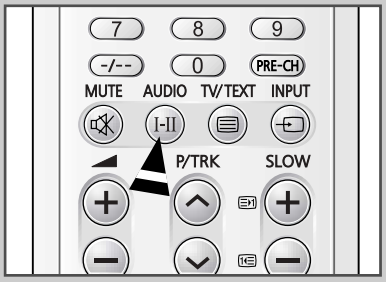
ENG

You can record or listen to a program in HiFi stereo.

- **HiFi:** High Fidelity which produces better sound than standard stereo VCR.

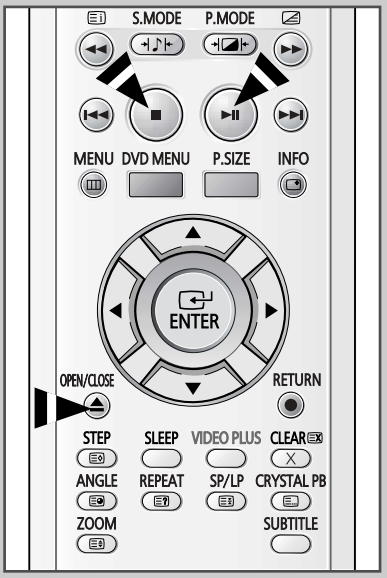
1 Insert the video cassette tape. If the tape doesn't begin to play automatically, press the **PLAY/PAUSE** (▶/❚❚) button.

2 Press the **AUDIO** button repeatedly to select **Mono**, **Stereo**, **L** or **R**.



Playing a Cassette

ENG



To play back any pre-recorded cassette, proceed as follows.

1 Insert the cassette in the compartment, with the tape window visible (facing upwards) and the open side of the cassette towards the back.

Result: The tape counter, current function and recording speed appear on the screen.

2 If the safety tab on the cassette is intact, press the **PLAY/PAUSE** (▶/❚❚) button. Otherwise, the cassette is played automatically.

➢ When a cassette is loaded, the tape position is optimised automatically to reduce disturbance (Auto Tracking). If the end of the tape is reached during playback, the cassette is rewound automatically.

3 If you wish to stop the playback temporarily, press the **PLAY/PAUSE** (▶/❚❚) button again.

➢ If noise bars appear in the picture, refer to "Adjusting the Picture Quality during Playback" on page 44.
When you have been using the still mode for more than about five minutes, the VCR will automatically play to protect the cassette and video heads.

4 To return to normal playback, press the **PLAY/PAUSE** (▶/❚❚) button again.

5 Press the **STOP** (■) button to stop the playback. To eject the cassette, press the **OPEN/CLOSE** (⏏) button.

➢
- When playing back a cassette, you cannot watch a television programme.
- Depending on the cassette quality, If the volume setting is 35 or greater, the picture may flicker.
  Reduce the volume.

Using the Tape Counter to Search for a Sequence

ENG

The tape counter:

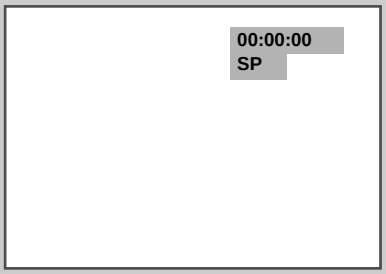
- ***Indicates the elapsed time in the play and record modes (hours, minutes and seconds)***
- ***Is reset when a cassette is inserted in the VCR unit***
- ***Enables you to find the beginning of a sequence easily***

1 Insert a cassette in your VCR unit.

2 Press **INFO** twice.

Result: The tape counter is displayed: **00:00:00**.

➢ The tape counter does not necessarily start from zero at the beginning of the tape.

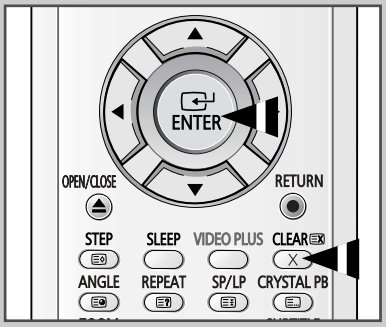


3 Select the required operation (play, record, fast-forward, rewind).

Result: The tape counter indicates how long the cassette has been running.

4 To set the tape counter to zero at the beginning of a sequence:

- Pess **CLEAR** (X) when you want to set the tape counter to zero.



5 To set the tape counter to start at the beginning of a sequence:

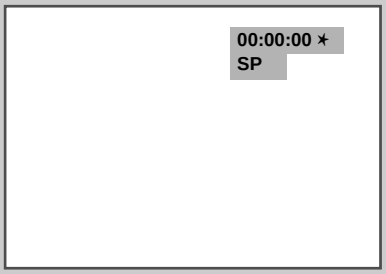
- With the counter display on the screen, press **ENTER** (↵) to activate the memory (✶).

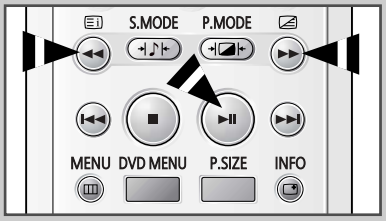
6 To fast-forward or rewind to the sequence at which the counter was set to zero, simply:

- Press **FF** (◀◀) or **REW** (▶▶).

  Result: With the memory (✶) the tape will stop automatically during FF or rewind when the count reaches the **00:00:00** position.

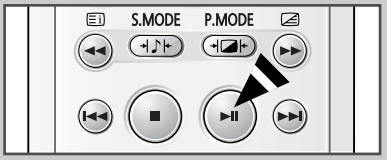
- Press **PLAY** (▶/II) to play at the count **00:00:00** position.

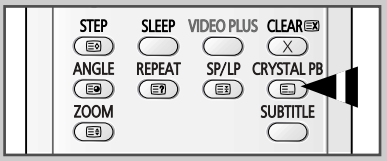




ENG

Using the Crystal PlayBack





You can compensate a poor rental tape.

1 Insert the cassette in the compartment, press the **PLAY/PAUSE** (▶/❚❚) button.

2 Press the **CRYSTAL PB** button on the remote control.

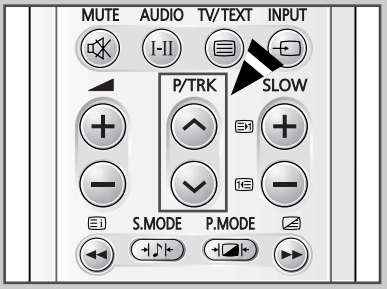
Result: The **CRYSTAL PB** option is displayed with **Off**

➢ When Picture is set to Auto on VCR menu, initial setting **CRYSTAL PB** is **ON**.

3 To activate (to **On**) the feature, press the **CRYSTAL PB** button again.

➢
- This feature activates only when a tape is being played.
- If the tape is reinserted, the **CRYSTAL PB** becames **Off**.

Adjusting the Picture Quality during Playback



This set has an inbuilt tape alignment system (A.TRK) that selects the optimum position for the tape automatically. If, however, noise bars (streaks) appear at the top or bottom of the picture during playback (particularly in slow motion), you can adjust the alignment of the image to obtain the best possible picture.

Picture stability can be adjusted more easily in the Pause and Slow Motion modes.

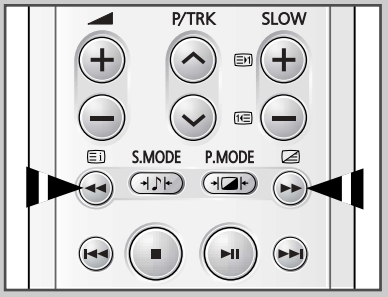
To adjust alignment, press the **TRK** ⌃ or ⌄ button until the picture is clear and stable.

➢ Even if you cannot remove all noise bars, choose the setting that gives the clearest picture.

Rewinding and Fast-forwarding a Cassette

ENG

You can rewind or fast-forward a cassette without seeing the picture on the television and search for a given sequence forwards or backwards on the tape.

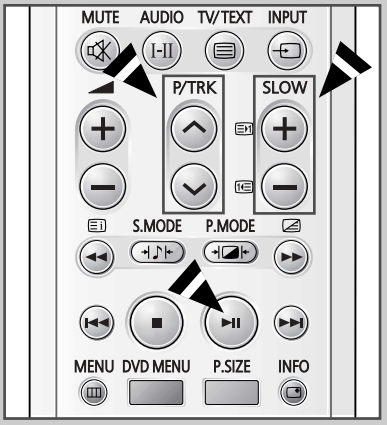


To...	Then press the...
Rewind the tape without viewing the picture	**REW** (◀◀) button when the cassette is stopped.
Rewind the tape while viewing the picture (Reverse Search function)	**REW** (◀◀) button when the cassette is playing.
Switch from reverse searching to playback again	**REW** (◀◀) button while rewinding the tape with the picture displayed.
Fast-forward the tape without viewing the picture	**FF** (▶▶) button when the cassette is stopped.
Fast-forward the tape while viewing the picture (Forward Search function)	**FF** (▶▶) button when the cassette is playing.
Switch from forward searching to playback again	**FF** (▶▶) button while fast-forwarding the tape with the picture displayed.

- When pressing the **REW** (◀◀) or **FF** (▶▶) button for more than 2 seconds in the "PLAY" or "RPS/FPS (Reverse Picture Search / Forward Picture Search)" modes speed up. Normal speed resumes ("PLAY") when the **REW** (◀◀) or **FF** (▶▶) button is released.
- The cassette is rewound automatically when the end of the tape is reached.
  If you press the **POWER** (⏻) button while a cassette is being rewound, the television switches automatically to Standby mode and the cassette continues rewinding until the beginning of the tape is reached.

Playing a Cassette in Slow Motion

ENG



You can play a cassette in slow motion.

Example: ***You wish to analyse a sportsperson's technique, movement by movement.***

➢ No sound is heard when playing back a cassette in slow motion.

1 During playback, press the **SLOW** ⊕ or ⊖ button.

Result: II▶ flashes and the cassette is played back in slow motion.

2 When playing back in slow motion, picture interference may occur. Press the **TRK** ⌃ or ⌄ button to minimise this effect.

3 To return to normal playback, press the **PLAY/PAUSE** (▶/II) button.

☛ When you have been using the Slow Motion function for more than about five minutes, the VCR will automatically play to protect the casassette and video heads.

Recording a Programme Directly

ENG

Before recording a programme, you must have stored the corresponding channel. If you have not done so, refer to pages 16~18 for more details.

1 Select the channel number to be recorded using the **P** ∧ or ∨ button or the AV source using the **INPUT** button for a satellite tuner or external video source

Result: The channel number is displayed and the programme can be seen on the television.

2 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.

3 Hold down the **REC** (●) button for at least two seconds to start recording.

Result: The record indicator appears on the screen.

During recording you can also press the **INFO** button to display the number of the programme being recorded and the remaining time on the cassette.

4

To...	Then press the...
Stop recording temporarily (to avoid recording TV spots or change channels for example)	**PLAY/PAUSE** (▶/❚❚).
Start recording again	**REC** (●).
Stop recording completely	**STOP** (■).

➢ If the VCR is left in Pause mode for more than ten minutes, recording will be stopped automatically to protect the heads and the cassette.

➢
- If the cassette is ejected when you start recording, check that the safety tab is intact or the opening is covered with adhesive tape.
- If you reach the end of the tape while recording, the cassette rewinds automatically.

Recording a Programme with Automatic Stop

ENG

This function enables you to record up to four hours of programmes.
The VCR unit stops automatically after the requested length of time.

1 Select the channel number to be recorded using the **P** ⌃ or ⌄ button or the AV source using the **INPUT** button for a satellite tuner or external video source

Result: The channel number is displayed and the programme can be seen on the television.

2 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.

3 Hold down the **REC** (●) button for at least two seconds to start recording.

Result: The record indicator appears on the screen.

During recording you can also press the **INFO** button to display the recording time remaining.

4 Press the **REC** (●) button several times to increase the recording time. (**30** → **1:00** → **1:30** → **2:00** → **3:00** → **4:00**)

Result: The length of time is displayed. The selected programme is recorded for the length of time requested. At the end of that time, the VCR unit stops recording automatically.

5 If you wish to cancel the recording before the end, press the **REC** (●) button several times until **0:00** is displayed or press the **STOP** (■) button.

Result: The VCR unit stops recording after six seconds.

➢ If the end of the tape is reached while recording, the recording stops.

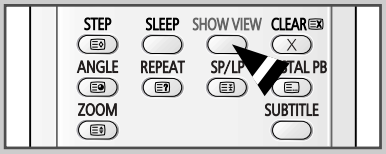
Using the SHOWVIEW Feature (depending on the model)

ENG

Before presetting your VCR unit:

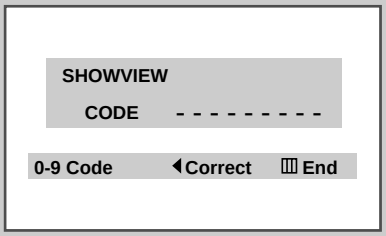
- ***Check that the language, date and time are correct (if the clock has not been set, the Date/Time Setting function is activated automatically)***
- ***Insert the cassette on which the programme is to be recorded (safety tab intact)***

Up to six programmes can be preset.



1 Press the **SHOW VIEW** button.

Result: A message is displayed to allow you to enter the SHOWVIEW code.

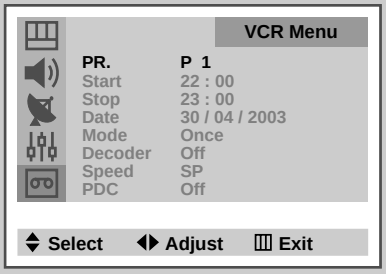


☛ If there is no **SHOW VIEW** button on your remote control, the SHOWVIEW feature is not available on your model. If all six programmes have been set, the list of preset recordings is displayed to enable you to modify an existing recording or clear one that you no longer require. Refer to page 51 for further details.

2 Press the numeric buttons to enter the code opposite the programme that you wish to record in your television magazine.

➢ If you wish to correct the SHOWVIEW code that you are entering:

- Press the ◄ button until the digit to be corrected is cleared
- Enter the correct digit

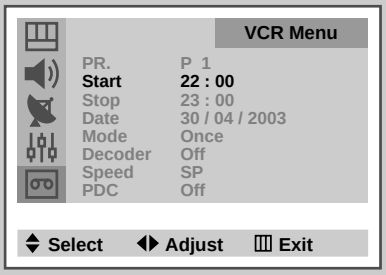


3 Press the **MENU** button.

Result: The **Timer Record** is selected.

4 Press the ◄ or ► button again.

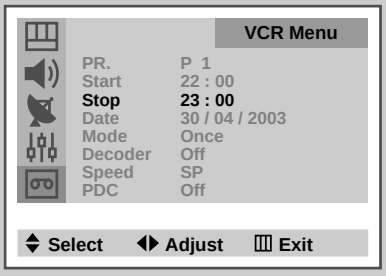
☛ When you finish the inputting SHOWVIEW code, the Timer Record program will be set automatically. At this moment, the current channel is set for the recording. When using the SHOWVIEW function, you can change the programme number with the ▼ or ▲ buttons.



5 Press the ▼ or ▲ button to select **Start**, and tnen press the ◄ or ► button. Modify the start time by pressing the ▼ or ▲ button.

➢ When entering the date and time, all single digits must be preceded by a zero.

Example: 7:30 am
Enter 07:30

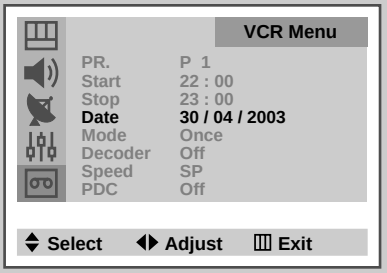


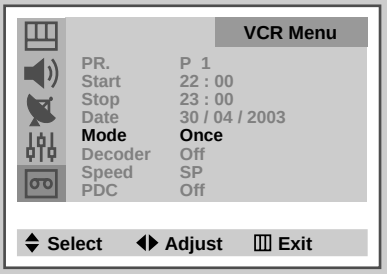
6 Press the ▼ or ▲ button to select **Stop**. Modify the stop time in the same way.

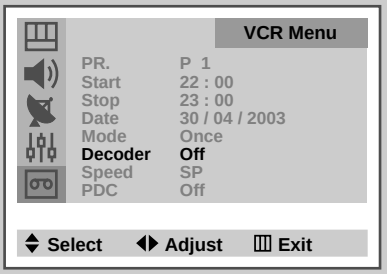
➢ To set Record Stop time to less than one hour, always select Minute first.

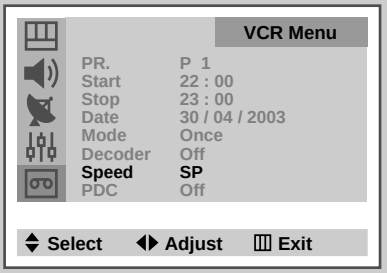
Using the SHOWVIEW Feature (continued)

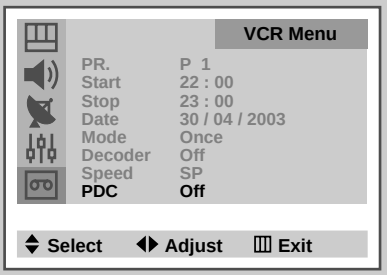
ENG











7 Press the ▼ or ▲ button to select **Date**. Modify the date on which the recording is to take place.

8 Press the ▼ or ▲ button to select **Mode**. Select the required option (**Once**, **Daily**, or **Weekly**) by pressing the ◀ or ▶ button.

- **Once :** Select to record a programme once.
- **Daily :** Select to record a programme every day (Monday...Friday) at the same time.
- **Weekly :** Select to record a programme every week on the same day at the same time.

9 Press the ▼ or ▲ button to select **Decoder**. Indicate whether you wish to use a decoder **On** or not **Off** by pressing the ◀ or ▶ button.

☛ If you have no scramble decoder, please do not set decoder **On** and the set will be recorded through "AV INPUT".

10 Press the ▼ or ▲ button to select **Speed**. Select the required option (**SP** or **LP**) by pressing the ◀ or ▶ button.

11 Press the ▼ or ▲ button to select **PDC** (or **VPS**). Indicate whether you wish to use a PDC **On** or not **Off** by pressing the ◀ or ▶ button.

☛ **VPS** is available in only German, Switzerland, and Austria.

12 When you are satisfied with all your settings, press the **MENU** button to return to normal viewing.

13 Press the **POWER** (⏻) button to activate the timer.

Result: The Timer indicator on the front panel lights up.

☛ If no cassette has been inserted when you press the **POWER** (⏻) button, the Timer indicator flashes. If the safety tab on the cassette has been broken, the Timer indicator flashes. Insert the appropriate cassette. If there is a power failure or you disconnect the television from the wall socket, all your settings are lost.

14 Refer to pages 51and 52 if you wish to check that your VCR unit has been programmed correctly and cancel a preset recording.

➢ SHOWVIEW is a trademark applied for by Gemstar Development Corp. SHOWVIEW system is manufactured under licence from Gemstar Development Corporation.

Using the VIDEOPlus+ Feature (UK Only)

ENG

Before presetting your VCR unit:

- ***Check that the language, date and time are correct (if the clock has not been set, the Date/Time Setting function is activated automatically)***
- ***Insert the cassette on which the programme is to be recorded (safety tab intact)***

Up to six programmes can be preset.

1 Press the **VIDEOPLUS** button.

Result: A message is displayed to allow you to enter the VIDEO PLUS code.

☛ If there is no **VIDEOPLUS** button on your remote control, the VIDEOPLUS feature is not available on your model. If all six programmes have been set, the list of preset recordings is displayed to enable you to modify an existing recording or clear one that you no longer require. Refer to page 51 for further details.

2 Press the numeric buttons to enter the code opposite the programme that you wish to record in your television magazine.

➢ If you wish to correct the VIDEOPLUS code that you are entering:
- Press the ◄ button until the digit to be corrected is cleared
- Enter the correct digit

3 Press the **MENU** button.

Result: The **Timer Record** is selected.

4 Press the ◄ or ► button again.

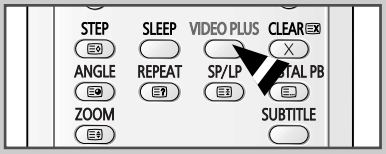
☛ When you finish the inputting VIDEOPLUS code, the Timer Record program will be set automatically. At this moment, the current channel is set for the recording. t time with stored stations, the programme number flashes. When using the VIDEOPLUS function, you can change the programme number with the ▼ or ▲ buttons.

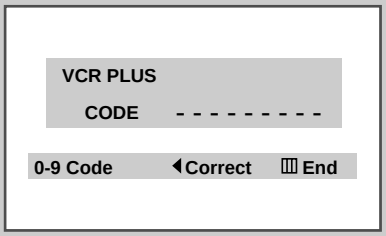
5 Press the ▼ or ▲ button to select **Start**, and tnen press the ◄ or ► button. Modify the start time by pressing the ▼ or ▲ button.

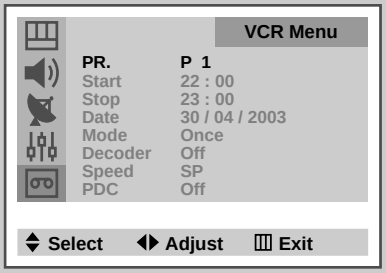
➢ When entering the date and time, all single digits must be preceded by a zero.

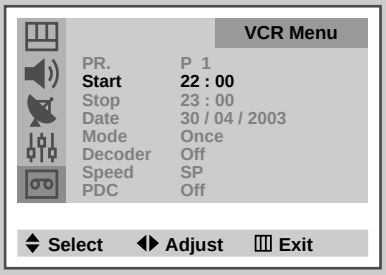
Example: 7:30 am
Enter 07:30

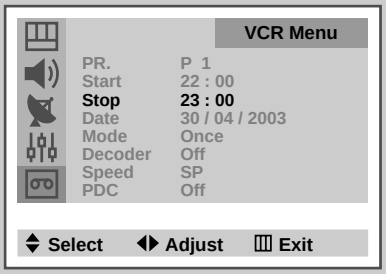
6 Press the ▼ or ▲ button to select **Stop**. Modify the stop time in the same way.





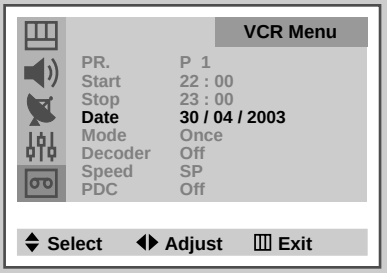


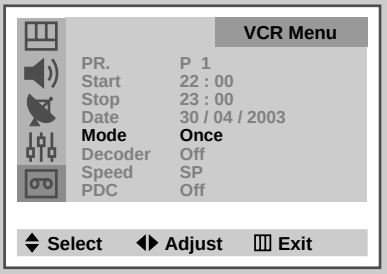


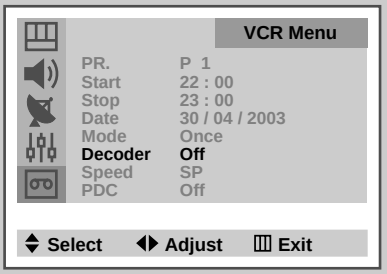


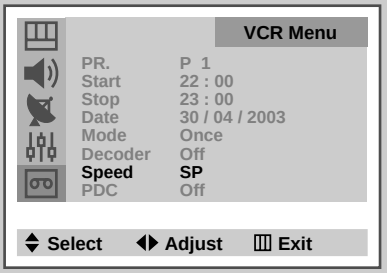
Using the VIDEOPlus+ Feature (UK Only) (continued)

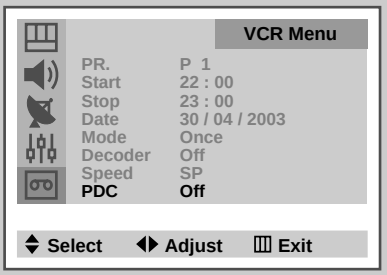
ENG











7 Press the ▼ or ▲ button to select **Date**. Modify the date on which the recording is to take place.

8 Press the ▼ or ▲ button to select **Mode**. Select the required option (**Once**, **Daily**, or **Weekly**) by pressing the ◀ or ▶ button.

- **Once :** Select to record a programme once.
- **Daily :** Select to record a programme every day (Monday...Friday) at the same time.
- **Weekly :** Select to record a programme every week on the same day at the same time.

9 Press the ▼ or ▲ button to select **Decoder**. Indicate whether you wish to use a decoder **On** or not **Off** by pressing the ◀ or ▶ button.

☛ If you have no scramble decoder, please do not set decoder **On** and the set will be recorded through "AV INPUT".

10 Press the ▼ or ▲ button to select **Speed**. Select the required option (**SP** or **LP**) by pressing the ◀ or ▶ button.

11 Press the ▼ or ▲ button to select **PDC** (or **VPS**). Indicate whether you wish to use a PDC **On** or not **Off** by pressing the ◀ or ▶ button.

☛ **VPS** is available in only German, Switzerland, and Austria.

12 When you are satisfied with all your settings, press the **MENU** button to return to normal viewing.

13 Press the **POWER** (⏻) button to activate the timer.

Result: The Timer indicator on the front panel lights up.

☛ If no cassette has been inserted when you press the **POWER** (⏻) button, the Timer indicator flashes. If the safety tab on the cassette has been broken, the Timer indicator flashes. Insert the appropriate cassette. If there is a power failure or you disconnect the television from the wall socket, all your settings are lost.

14 Refer to pages 51and 52 if you wish to check that your VCR unit has been programmed correctly and cancel a preset recording.

➢ VIDEOPlus+ is a trademark applied for by Gemstar Development Corp. VIDEOPlus+ system is manufactured under licence from Gemstar Development Corporation.

Setting the VCR Unit to Record a Programme Automatically

ENG

This function enables you to preset the VCR unit to record a programme up to one month before that programme is to be broadcast. Up to six programmes can be preset.
You must provide the following information on the broadcast to be recorded:

- ***Programme number***
- ***Recording speed (LP option)***
- ***Start time***
- ***End time***
- ***Date***
- ***Recording mode (once, daily, weekly)***
- ***Optional use of a decoder***

Before presetting your VCR:

- ***Check that the language, date and time are correct (if the clock has not been set, the Date/Time Setting function is activated automatically)***
- ***Insert the cassette on which the programme is to be recorded (safety tab intact)***

1 Press the **MENU** button.
Result: The main menu is displayed.

2 Press the ▼ or ▲ button to select **VCR Menu**.
Result: The options available in the **VCR Menu** group are displayed.

3 Press the ◄ or ► button.

4 Press the ▼ or ▲ button to select **Timer Record Review**.

5 Press the ◄ or ► button.
Result: The list of preset recordings is displayed.
If there is no preset programme then you must set the programme in the "Timer Record menu".

6 Select a line that is free (no recording set) by pressing the ▼ or ▲ button. Press the ◄ or ► button.
Result: The list of information to be entered for the recording is displayed with preset values.

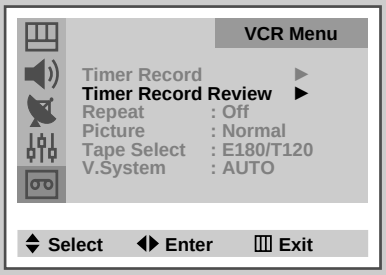
☞ If you wish to cancel any programme, select the programme to be cancelled and press the **CLEAR** (**X**) button.

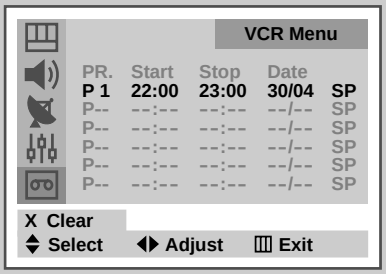
7 Enter the channel number by pressing the appropriate numeric buttons or press the **INPUT** button to select the AV input.

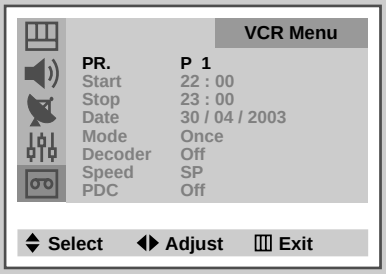
8 Press the ▼ or ▲ button to select **Start**, and tnen press the ◄ or ► button. Modify the start time by pressing the ▼ or ▲ button.

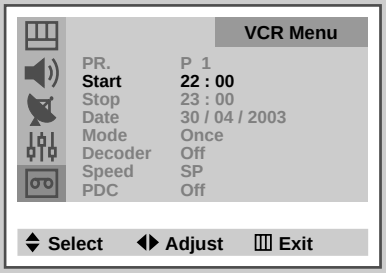
➢ When entering the date and time, all single digits must be preceded by a zero.
Example: 7:30 am
Enter 07:30

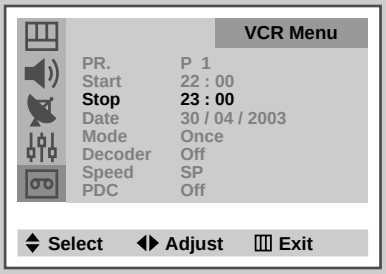
9 Press the ▼ or ▲ button to select **Stop**. Modify the stop time in the same way.





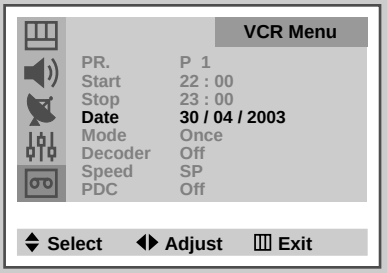


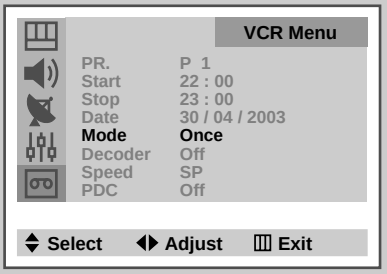


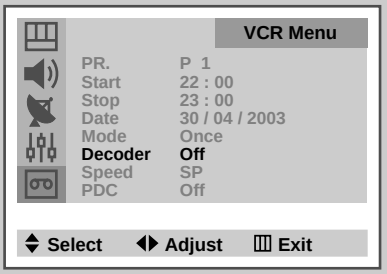


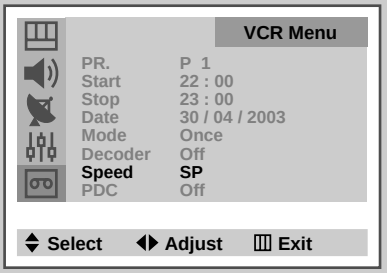
Setting the VCR Unit to Record a Programme Automatically (continued)

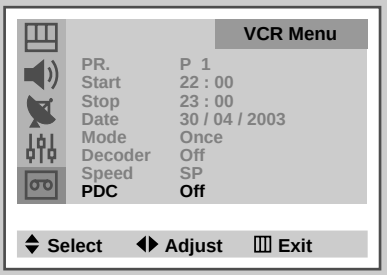
ENG











10 Press the ▼ or ▲ button to select **Date**. Modify the date on which the recording is to take place.

11 Press the ▼ or ▲ button to select **Mode**. Select the required option (**Once**, **Daily**, or **Weekly**) by pressing the ◀ or ▶ button.

- **Once :** Select to record a programme once.
- **Daily :** Select to record a programme every day (Monday...Friday) at the same time.
- **Weekly :** Select to record a programme every week on the same day at the same time.

12 Press the ▼ or ▲ button to select **Decoder**. Indicate whether you wish to use a decoder **On** or not **Off** by pressing the ◀ or ▶ button.

☛ If you have no scramble decoder, please do not set decoder **On** and the set will be recorded through "AV INPUT".

13 Press the ▼ or ▲ button to select **Speed**. Select the required option (**SP** or **LP**) by pressing the ◀ or ▶ button.

14 Press the ▼ or ▲ button to select **PDC** (or **VPS**). Indicate whether you wish to use a VPS **On** or not **Off** by pressing the ◀ or ▶ button.

☛ **VPS** is available in only German, Switzerland, and Austria.

15 When you are satisfied with all your settings, press the **MENU** button to return to normal viewing.

16 Press the **POWER** (⏻) button to activate the timer.

Result: The Timer indicator on the front panel lights up.

☛ If no cassette has been inserted when you press the **POWER** (⏻) button, the Timer indicator flashes. If the safety tab on the cassette has been broken, the Timer indicator flashes. Insert the appropriate cassette. If there is a power failure or you disconnect the television from the wall socket, all your settings are lost.

17 Refer to pages 51and 52 if you wish to check that your VCR unit has been programmed correctly and cancel a preset recording.

➢ If the Timer indicator flashes, insert the appropriate cassette or cancel the programme which is no longer required.

Playing a Disc

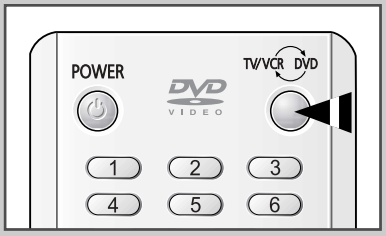
ENG

Play

1 Press the "TV/VCR DVD" button to switch the DVD mode.

2 Press the **OPEN/CLOSE** (⏏) button.

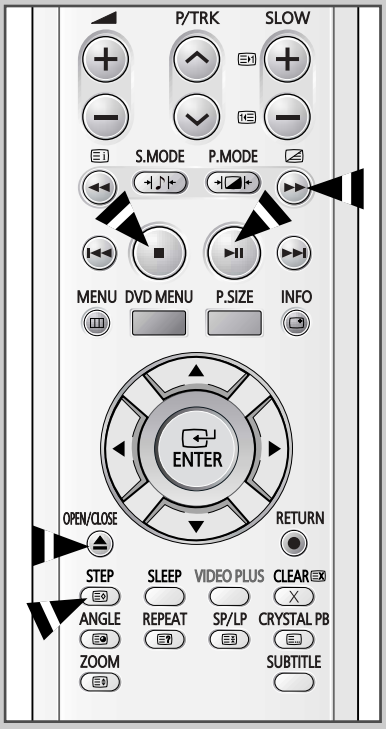
3 Press the **PLAY/PAUSE** (▶/❚❚) or **OPEN/CLOSE** (⏏) button to close the disc tray.



☛ ***RESUME function***

When you stop disc play, the player remembers where you stopped, so when you press the **PLAY/PAUSE** (▶/❚❚) again, it will pick up where you left off (unless the disc is removed, the **STOP** (■) button is pressed twice or the set is unplugged.).

➢
- If the player is left for 5 minutes in pause mode, it will stop.
- This ⊘ icon indicates an invalid button press.



Stopping Play

Press the **STOP** (■) button during play.

Removing Disc

Press the **OPEN/CLOSE** (⏏) button.

Pausing Play

Press the **PLAY/PAUSE** (▶/❚❚) or **STEP** button during playback.
- Screen stops, no sound.
- To resume again, press the **PLAY/PAUSE** (▶/❚❚) button once again.

Step Motion Play (Except CD)

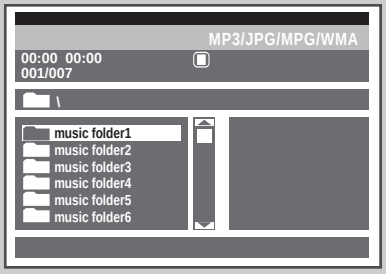
Press the **STEP** button during play.
- Each time the button is pressed, a new frame will appear.
- No sound is heard during Step mode.
- Press the **PLAY/PAUSE** (▶/❚❚) button to resume normal play (You can only perform step motion playback in the forward direction).

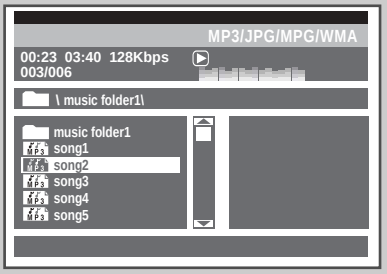
Slow Motion Play (Except CD)

Press the **FF** (▶▶) button for move than 1 second during Pause or Step mode.
- By pressing the **FF** (▶▶) button for move than 1 second, you can select slow motion play for 1/2, 1/4, 1/8 or 1/16 of normal speed.
- No sound is heard during slow mode.
- Press the **PLAY/PAUSE** (▶/❚❚) button to resume normal play.
- When playing a VCD the reverse slow motion play will not work.

Playing a Disc (MP3/WMA)

ENG





1 Press the **OPEN/CLOSE** (⏏) button. Place a disc gently into the tray with the disc's label facing up. Press the **PLAY/PAUSE** (▶/❚❚) or **OPEN/CLOSE** (⏏) button to close the disc tray.

2 Press the ▼ or ▲ button to select the desired music folder, then press the **ENTER** or ▶ button.

3 Press the ▼ or ▲ button again to select a song file. Press the **ENTER** or **PLAY/PAUSE** (▶/❚❚) button to begin play of the song file.

4 To play another song file of the same music folder, press the **STOP** (■) button and press the ▼ or ▲ button to select a song file. Press the **ENTER** or **PLAY/PAUSE** (▶/❚❚) button.
To play another song file of another folder, press the ◀ button to move the music folder lists. Repeat Steps **2** to **3**.

When playing CD-R/MP3 discs, please follow the recommendations below:

- **Your MP3 files should be ISO 9660 or JOLIET format.**
  ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.
- **When naming your MP3 files do not exceed 8 characters, and place ".mp3" as the file extension.**
  General name format of: Title.mp3. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/,\,=,+).
- **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
  Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate (conversion to MP3 format) of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality. Conversely, files with sampling rates below 128 Kbps will not be played properly.
- **Do not try recording copyright protected MP3 files.**
  Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trademark of The SDMI Foundation). You cannot copy such files.
- **Your DVD player only accepts one level of file directory.**
  Consequently you must choose:
  - either to save all your MP3 recording files at the root of the disc;
  - and/or create folders in the directory for each artist or music type (e.g.classical, rock, jazz, etc)
- **Important:** The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).
- This unit can play a maximum of 500 files and 300 folders per disc.

Playing a Disc (MPG)

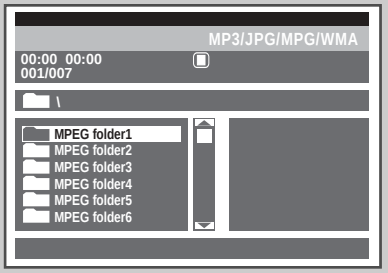
ENG

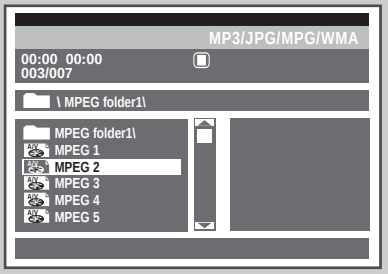
1 Press the **OPEN/CLOSE** (⏏) button. Place a disc gently into the tray with the disc's label facing up. Press the **PLAY/PAUSE** (▶/❚❚) or **OPEN/CLOSE** (⏏) button to close the disc tray.

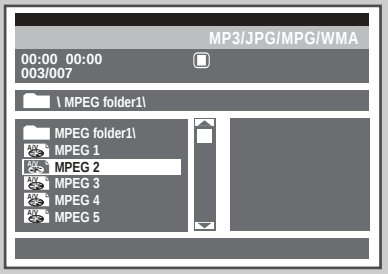
2 Press the ▼ or ▲ button to select the desired MPEG folder, then press the **ENTER** or ▶ button.

3 Press the ▼ or ▲ button again to select a MPEG file. Press the **ENTER** or **PLAY/PAUSE** (▶/❚❚) button to begin play of the MPEG file.

4 To play another MPEG file of the same MPEG folder, press the **STOP** (■) button and press the ▼ or ▲ button to select a MPEG folder. Press the **ENTER** or **PLAY/PAUSE** (▶/❚❚) button.
To play another MPEG folder of another folder, press the ◀ button to move the MPEG folder lists. Repeat Steps **2** to **3**.

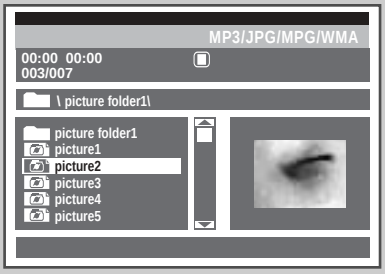


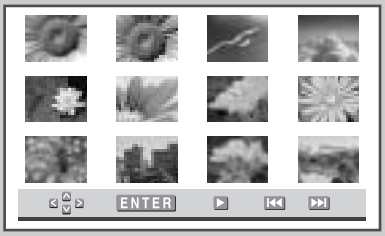




Playing a Disc (Picture CD)

ENG





Press the **OPEN/CLOSE** (⏏) button. Place a disc gently into the tray with the disc's label facing up. Press the **PLAY/PAUSE** (▶/❚❚) or **OPEN/CLOSE** (⏏) button to close the disc tray.

Rotating and Reversing the picture

1 Press the ▼ or ▲ button to select the desired picture file of the file list, then press the **ENTER** button.

Result: The selected picture is displayed.

➢ If you want to return to the file list, press the **STOP** (■) button.

2 Press the ◀ or ▶ button to rotate the picture.

3 Press the ▲ button repeatedly to reverse vertically.
Press the ▼ button repeatedly to reverse horizontally.

Slide Show

Press the ▼ or ▲ button to select the desired picture file of the file list, then press the **PLAY/PAUSE** (▶/❚❚) button.

Result: It enters slide show mode.

➢ If you want to return to the file list, press the **STOP** (■) button.

Viewing the Album Screen

1 Press the **DVD MENU** button during slide show.

Result: The DVD menu is displayed with the **Disc Menu** is selected.

2 Press the **ENTER** button.

Result: It enters album screen mode.

3 To display the next or previous 12 pictures, press the ▶▶| (next skip) or |◀◀ (back skip) button.

4 Press the ▼, ▲, ◀, or ▶ button to select the desired picture, then press the **PLAY/PAUSE** (▶/❚❚) button.

Result: It enters slide show mode again.

➢ If you press the **ENTER** button after selecting the desired picture, the selected picture will be displayed only.

Using the Search and Skip Functions

ENG

Searching through a Chapter or Track

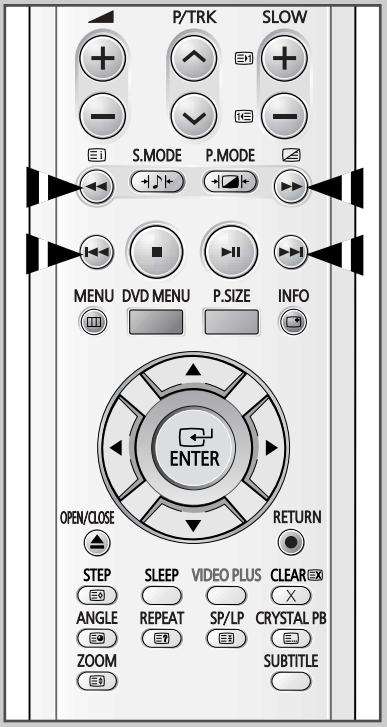
Press the **FF** (▶▶) or **REW** (◀◀) button during play.

- Press the **FF** (▶▶) or **REW** (◀◀) button for move than 1 second and press again or press continuously to search at a faster speed on the DVD (2X/4X/8X/16X/ 32X), VCD (2X/4X/8X/16X/ 32X), or CD (2X/4X/8X/16X/ 32X).
- To return to normal speed playback, press the **PLAY/PAUSE** (▶/❚❚) button.

Skipping Tracks

During play, press the ▶▶| (next skip) or |◀◀ (back skip) button.

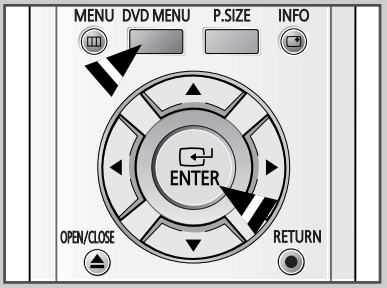
- When playing a DVD, if you press the ▶▶| (next skip) button, it moves to next chapter. If you press the |◀◀ (back skip) button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.
- When playing a CD, if you press the ▶▶| (next skip) button, it moves to next track. If you press the |◀◀ (back skip) button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.
- When playing a VCD 2.0 in MENU OFF mode, a VCD1.1 or a CD, if you press the ▶▶| (next skip) button, it moves to next track. If you press the |◀◀ (back skip) button, it moves to the the beginning of the track. One more press makes it move to the beginning of the previous track.
- If a track exceeds 15 minutes when playing a VCD and you press the ▶▶| (next skip) button, it moves forward 5 minutes. If you press the |◀◀ (back skip) button, it moves backward 5 minutes.
- When playing a VCD 2.0 in the MENU MODE or Track View function, if you press the ▶▶| (next skip) button, it moves to the next menu or the next Track View display. If you press the |◀◀ (back skip) button, it moves to the previous menu or the previous Track View display.



➢
- ◆ When in search mode (2X/4X/8X/16X/32X) on a DVD or high-speed playback on a VCD, no sound will be heard.
- ◆ When 2X SCAN AUDIO is set to ON in the SETUP MENU, no sound will be heard on discs which are recorded with PCM, DTS or MPEG-2.
- ◆ Depending on the disc, audio may not be heard when a disc is in 2X playback mode.

ENG

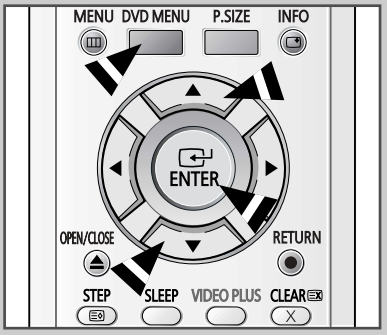
Using the Disc Menu

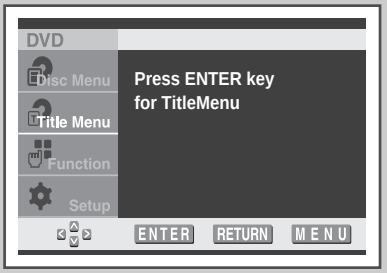


1	Press the **DVD MENU** button during the play of a DVD. Result: The DVD menu is displayed with the **Disc Menu** is selected.
2	Press the **ENTER** button.

➢ Depending on the disc, the **Disc Menu** may not work.

Using the Title Menu





1	Press the **DVD MENU** button during the play of a DVD. Result: The DVD menu is displayed.
2	Press the ▼ or ▲ button to select **Title Menu**.
3	Press the **ENTER** button.

➢
- Depending on the disc, the **Title Menu** may not work.
- The **Title Menu** will only be displayed if there are at least two titles in the disc.

Displaying the Disc Information

ENG

1 Press the **DVD MENU** button during play.
Result: The DVD menu is displayed.

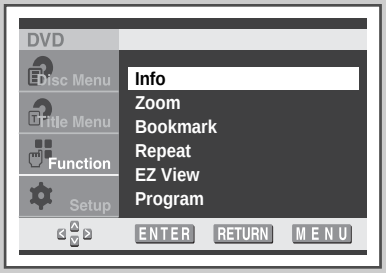
2 Press the ▼ or ▲ button to select **Function**.
Result: The options available in the **Function** group are displayed.

3 Press the **ENTER** button.
Result: The **Info** menu is selected.

4 Press the **ENTER** button again.
Result: Depending on the disc, the disc information will be displayed.
➢ You can display by simply pressing the **INFO** button on the remote control.

5 Press the ▼ or ▲ button to select the required item. Press the ◄ or ► button to make the required setup, then press the **ENTER** button.
➢ You may use the number buttons of the remote control to start play from a desired time.

6 To make the screen disappear, press the **INFO** button.



Title — To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified.

Chapter — Most DVD discs are recorded in chapters so that you can quickly find a specific passage.

Time — Allows playback of the film from a desired time. You must enter the starting time as a reference.

Audio — Refers to the language of the film soundtrack. In the example, the soundtrack is played in English 5.1CH. A DVD disc can have up to eight different soundtracks.

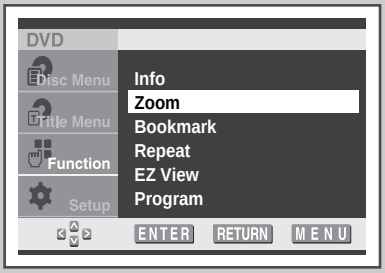
Subtitle — Refers to the subtitle languages available in the disc. You will be able to choose the subtitles language or, if you prefer, turn them off from the screen. A DVD disc can have up to 32 different subtitles.

3D Sound — The simulated surround effect depends on the disc contents. If you connect the unit to your stereo system, you can enhance sound quality and produce a greater surround effect. This feature is useful when you are using the DVD player with a two channel stereo through the analog outputs. (Discs which are recorded with PCM or DTS will not work.)
3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL. However, some of these discs do not contain rear channel sound signals. Depending on the disc, the 3D Sound function may not work.

➢
- **Chapter?** Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).
- **Title?** A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.

Using the Zoom Function (DVD/VCD)

ENG



1 Press the **DVD MENU** button during play or pause mode.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Zoom**. Press the **ENTER** button.

Result: The " " mark is displayed.

➢ You can display by simply pressing the **ZOOM** button on the remote control.

5 Press the **ENTER** button repeatedly to zoom in on.

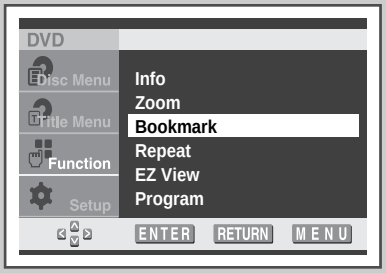
– DVD or VCD: 2X, 3X, 4X, 1/2X, 1/3X, 1/4X in order.

6 Press the ▼, ▲, ◄, or ► button to select the part of the screen you want to zoom in on (2X/3X/4X).

Using the Bookmark Function (DVD/VCD)

ENG

This feature lets you bookmark sections of a DVD or VCR so you can quickly find them at a later time.

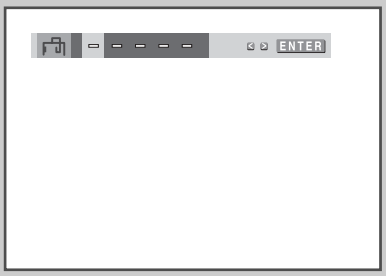


1 Press the **DVD MENU** button during play.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.



3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Bookmark**. Press the **ENTER** button.

5 Press the ◄ or ► button to move to the desired bookmark icon.

6 When you reach the scene you want to mark, press the **ENTER** button.

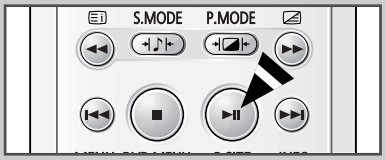
Result: The icon will change to a number (1, 2, or 3).

Recalling a Marked Scene

Press the ◄ or ► button to select a marked scene. Press the **PLAY/PAUSE** (►/❚❚) button to skip to the marked scene.

Clearing a Bookmark

Press the ◄ or ► button to select the bookmark number you want to delete. Press the **CLEAR** button to delete a bookmark number.

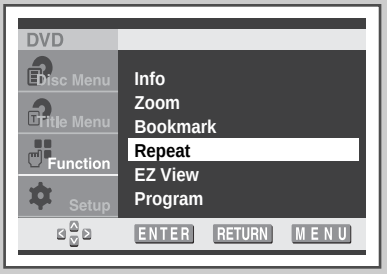


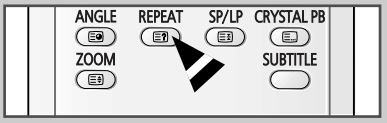
➢ ◆ Up to three scenes may be marked at the same time.

◆ Depending on the disc, this function may not work.

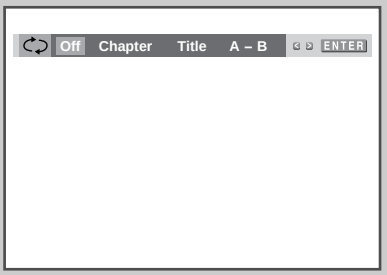
Repeat Play

ENG





DVD



VCD/CD

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc .

1 Press the **DVD MENU** button during play.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Repeat**. Press the **ENTER** button.

➢ You can display by simply pressing the **REPEAT** button on the remote control.

5 Press the ◄ or ► button to select the chapter, title or A-B. Press the **ENTER** button.

A-B Repeat

1 Press the ◄ or ► button to select **A-**. Press the **ENTER** button at the point where you want the repeat play to start.

2 Press the ◄ or ► button to select **B**. Press the **ENTER** button at the point where you want the repeat play to stop.

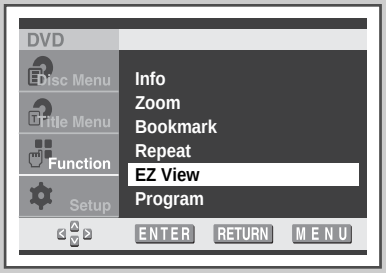
3 To return to normal play, press the ◄ or ► button to select **Off** and press the **ENTER** button.

➢
- The DVD repeats play by chapter or title, the CD and VCD repeat play by track or disc.
- Depending on the disc, this function may not work.
- If the title or track is completed before marking the end (**B**), the end of title or track becomes **B** automatically.

Using the EZ View

ENG

You can adjust the screen setting (aspct ratio) which best corresponds to your viewing requirements.



1 Press the **DVD MENU** button during play.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **EZ View**. Press the **ENTER** button.

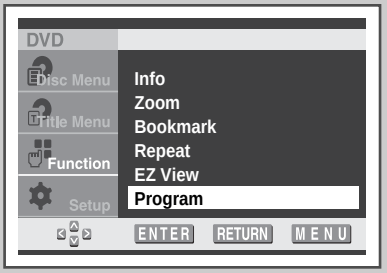
5 Select the appropriate option (**Wide**, **Screen Fit**, **Normal/LB**, or **Normal/PS**) by pressing the ◄ or ► button.

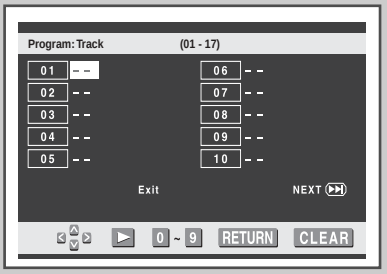
- **Wide, Normal/LB, Normal/PS**
  Refer to page 67.

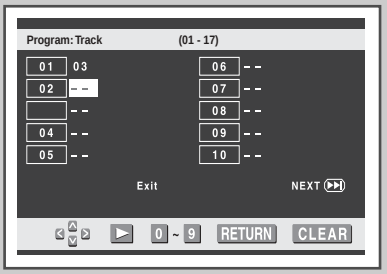
- **SCREEN FIT**
  The top and bottom of the screen are cut off.
  When playing a 2.35:1 aspect ratio disc, the black bars at top and bottom of the screen will disappear. The picture will look vertically stretched. (Depending on the type of disc, the black bars may not disappear completely.)

ENG

Program Play (CD)







1 Press the **DVD MENU** button during play.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Program**. Press the **ENTER** button..

5 Press the numeric buttons to select the first track to add to the program.

Result: Selected numvers are displayed in the first track.

6 Press the ▼, ▲, ◄ or ► button to move the next tray. Follow the above instruction for programming.

7 Press the **PLAY/PAUSE** (►/II) button.

Result: The disc will be played in programmed order.

➢
- ◆ Depending on the disc, this function may not work.
- ◆ When in VCD 2.0 mode (MENU ON mode), these functions do not work.
- ◆ To resume normal playback, press the **CLEAR** (**X**) button.

Changing the Camera Angle

When a DVD contains multiple angles of a particular scene, you can select the Angle function.

Press the **ANGLE** button. Press the ◄ or ► button to select the desired screen angle. To turn off the display, press the **ANGLE** button again.

Setting up the Language Features

ENG

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

1 Press the **DVD MENU** button.
Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Setup**.
Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** button.
Result: The **Language Setup** menu is selected.

4 Press the **ENTER** button again.
Result: The options available in the **Language Setup** group are displayed.

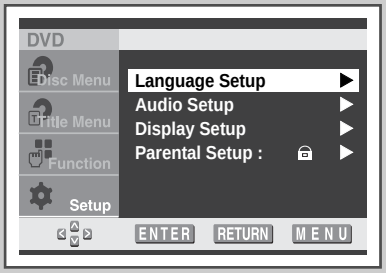
5 Press the ▼ or ▲ button to select the required menu (**Player Menu**, **Disc Menu**, **Audio**, or **Subtitle**). Press the **ENTER** button.

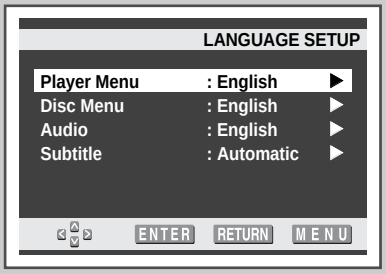
6 Select the appropriate language by pressing the ▼ or ▲ button. Press the **ENTER** button.

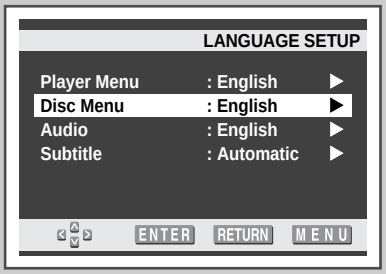
- **Player Menu**
  Use the Player preference menu to select the language for the player's on-screen displays.
- **Disc Menu**
  Use the Menu preference menu to select the language you want a DVD's disc menu to be displayed in.
  – Select **Others** if the language you want is not listed.
- **Audio**
  Use the Audio preference menu to select the sound-track language.
  – Select **Original** if you want the default soundtrack language to be the original language the disc is recorded in.
  – Select **Others** if the language you want is not listed.
- **Subtitle**
  Use the Subtitle preference menu to select the language the disc's subtitles are to be displayed in.
  – Select **Automatic** if you want the subtitle language to be the same as the language selected as the audio preference.
  – Select **Others** if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language setting.

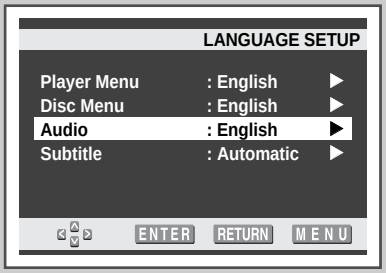
  ➢ You can select by simply pressing the **SUBTITLE** button on the remote control.

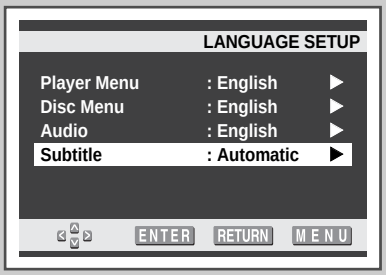
➢
- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- If the selected language is not recorded on the disc, the original pre-recorded language is selected.





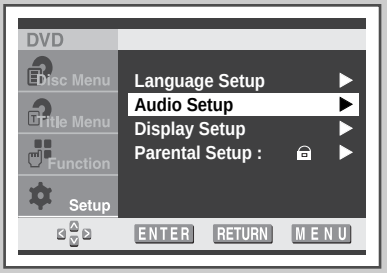


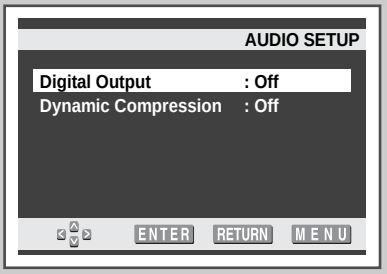


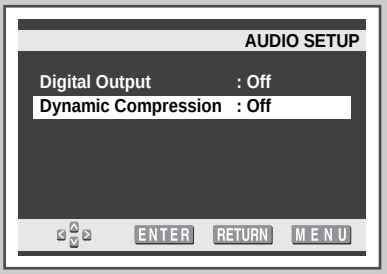


Setting up the Audio Options

ENG







If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

1 Press the **DVD MENU** button.
Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Setup**.
Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Audio Setup**. Press the **ENTER** button.
Result: The options available in the **Audio Setup** group are displayed.

5 Press the ▼ or ▲ button to select the required menu (**Digital Output**, **DTS**, or **Dynamic Compression**).

6 Select the appropriate option by pressing the ◄ or ► button.

- **Digital Output : Off**, **Bitstream**, **PCM**
  - Select **Bitstream** when using the Digital Audio Output. Converts to Dolby Digital Bitstream - 5.1CH (in case of MPEG-2, 5.1CH or 7.1CH).
  - Select **PCM** when using the Analog Audio Outputs. Converts to PCM(2CH) audio.
- **Dynamic Compression**
  - **Off :** To select the standard range.
  - **On :** To select dynamic compression.

➢
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Setting up the TV Aspect

ENG

You can adjust the screen setting (aspect ratio) which best corresponds to your viewing requirements.

1 Press the **DVD MENU** button.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** button.

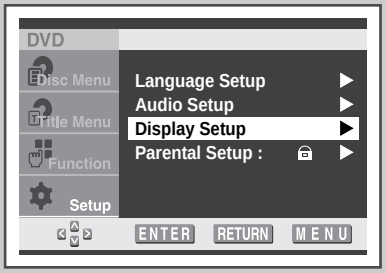
4 Press the ▼ or ▲ button to select **Display Setup**. Press the **ENTER** button.

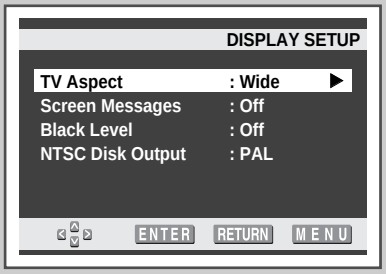
Result: The options available in the **Display Setup** group are displayed with the **TV Aspect** selected.

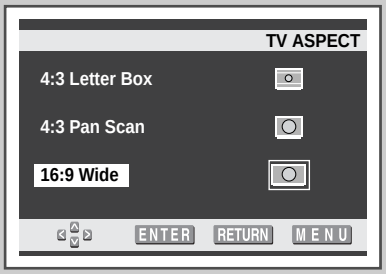
5 Press the **ENTER** button.

6 Select the required aspect by pressing the ▼ or ▲ button. Press the **ENTER** button.

- **4:3 Letter Box**
  Select when you want to see the total 16:9 ratio screen DVD supplies. Black bars will appear at the top and bottom of the screen.
- **4:3 Pan Scan**
  Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)
- **16:9 Wide**
  You can view the full 16:9 picture on your wide screen TV.

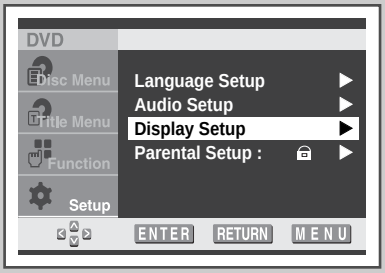


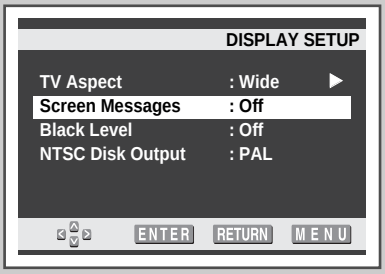


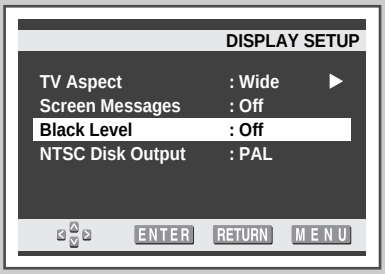


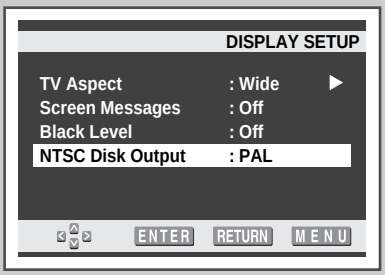
Setting up the Display Options

ENG









1 Press the **DVD MENU** button.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Display Setup**. Press the **ENTER** button.

Result: The options available in the **Display Setup** group are displayed.

5 Press the ▼ or ▲ button to select the required menu (**Screen Messages**, **Black Level**, or **NTSC Disc Output**).

6 Select the appropriate option by pressing the ◄ or ► button.

- **Screen Messages : On** or **Off**.
  Use to turn on-screen messages on or off.
- **Black Level : On** or **Off**.
  Adjusts the brightness of the screen.
- **NTSC Disc Output**
  When outputting the NTSC Disc to the external device of NTSC system, select **NTSC**. For the PAL system, select **PAL**. Otherwise, there may be no color or abnormal color.

Setting up the Parental Control

ENG

1 Press the **DVD MENU** button.

Result: The DVD menu is displayed.

2 Press the ▼ or ▲ button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** button.

4 Press the ▼ or ▲ button to select **Parental Setup**. Press the **ENTER** button.

Result: The **Enter Password** is displayed.

5 Enter the default password (**0000**) by using the numeric buttons.

Result: The options available in the **Parental Setup** group are displayed with the **Use Password** selected.

➢ If you have lost your password, enter the master password (**1369**).

6 Select **Yes** by pressing the ► button to use a password.

Result: The **Rating Level** and **Change Password** are displayed.

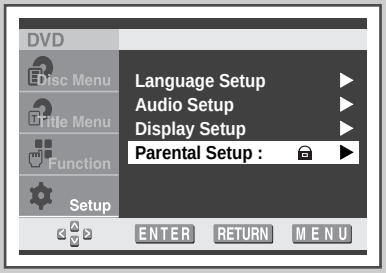
7 **About the Rating Level;**

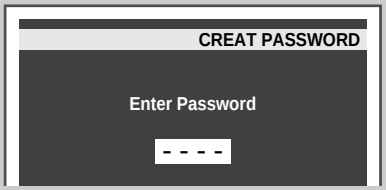
1. Press the ▼ or ▲ button to select **Rating Level**. Press the **ENTER** button.
2. Press the ▼ or ▲ button to select the level (e.g. **Level 8**) and press the **ENTER** button.
   Discs that contain Level 7 will now not play.

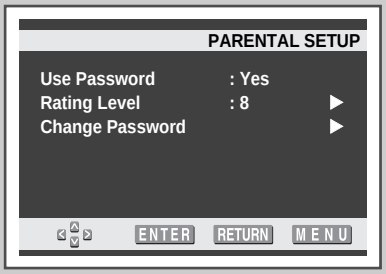
➢ To cancel the rating level, select **No** in the **Use Password** pressing the ► button.

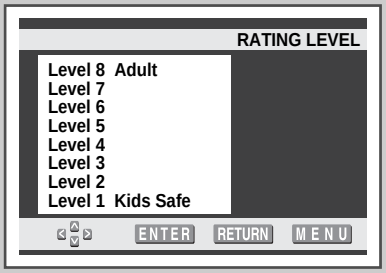
8 **About the Change Password;**

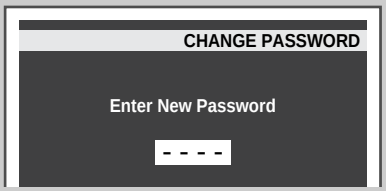
1. Press the ▼ or ▲ button to select **Change Password**. Press the **ENTER** button.
   Result: The **Enter New Password** is displayed.
2. Enter your new password.
   Result: The **Re-enter New Password** is displayed.
3. Enter your new password again to confirm.

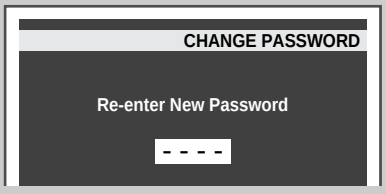






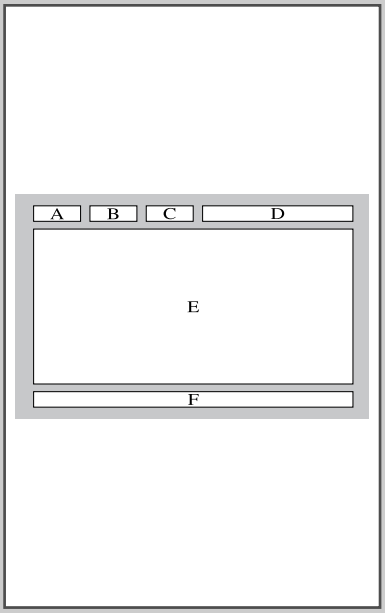






Teletext Feature

ENG



Most television channels provide written information services via teletext. Information provided includes:

- ***Television programme times***
- ***News bulletins and weather forecasts***
- ***Sports results***
- ***Travel information***

This information is divided into numbered pages (see diagram).

Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information. FASTEXT information.

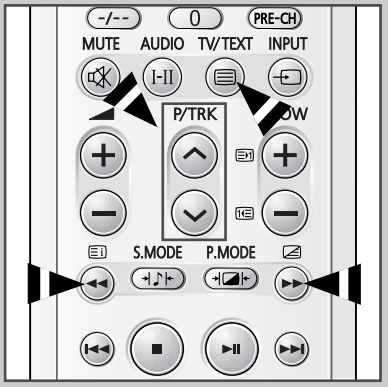
➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:

- Entering the page number
- Selecting a title in a list
- Selecting a coloured heading (FASTEXT system)

Displaying the Teletext Information

ENG

You can display Teletext information at any time on your television.



☛ For Teletext information to be displayed correctly, channel reception must be stable; otherwise:
- Information may be missing
- Some pages may not be displayed

1 Select the channel providing the Teletext service using the **P**▲ or **P**▼ button.

2 Press the **TV/TEXT** (▤) button to activate the teletext mode.
Result: The contents page is displayed. It can be redisplayed at any time by pressing the ▤i (index) button.

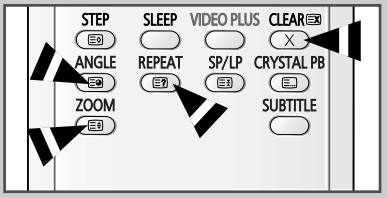
3 Press the ◪ (mix) button.
Result: The screen will be split into two. This Double Teletext feature lets you view the actual broadcast and teletext information separately on the screen.

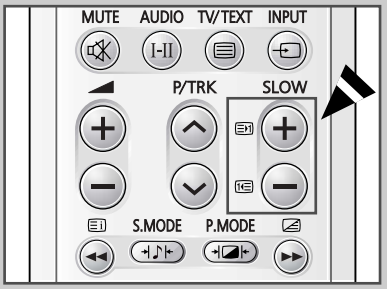
4 If you wish to display the actual broadcast at the same time as the teletext page, press the ◪ (mix) button again.

5 Press the **TV/TEXT** (▤) button to exit from the teletext display.

Selecting Display Options

ENG





When you have displayed a Teletext page, you can select various options to suit your requirements.

To display...	Press the...
◆ Hidden text (answers to quiz games, for example)	(reveal)
◆ The normal screen	(reveal) again
◆ A secondary page	(sub-page)
◆ The broadcast when searching for a page	(cancel)
◆ The next page	(page up)
◆ The previous page	(page down)
◆ Double-size letters in the: • Upper half of the screen • Lower half of the screen	(size) • Once • Twice
◆ Normal screen	• Three times

Selecting a Teletext Page

ENG

You can enter the page number directly by pressing the numeric buttons on the remote control.

1 Enter the three-digit page number given in the content by pressing the corresponding numeric buttons.

Result: The current page counter is incremented and the page is then displayed. If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the (hold). Press the it again to resume.

2 If the FASTEXT system is used by the broadcasting company, the different topics covered on a Teletext page are colour-coded and can be selected by pressing the coloured buttons on the remote control.
Press the coloured button corresponding to the topic that you wish to select; the available topics are given on the status line.

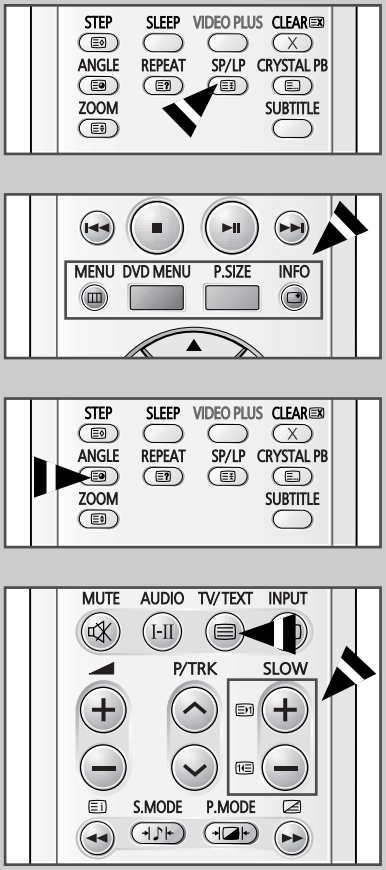
Result: The page is displayed with other colored information that can be selected in the same way.

3 To display the previous or next page, press the corresponding coloured button.

4 To display the subpage, see the following steps.

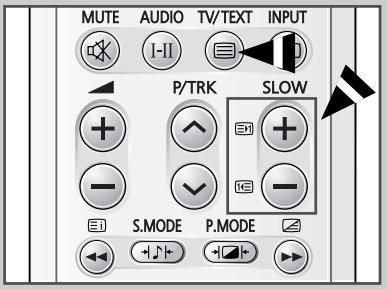
- Press the (sub-page) button.
  Result: The available subpages appear.
- Select the required sub-page. Sub-pages can be scrolled by pressing the or button.

5 When you have finished, press the **TV/TEXT** () button to return to your normal broadcast.



Storing Teletext Pages

ENG



You can store up to four teletext pages to display them later at leisure.

1 Select the LIST mode using the button.

Result: Four 3-digit numbers are displayed in different colours.

➢ The button is used to switch between the **LIST** and **FLOF** modes.

2 Press the coloured button corresponding to the page that will be replaced.

3 Enter the new page number using the numeric buttons.

4 Repeat steps **2** and **3** for each page to be stored, using a different coloured button each time.

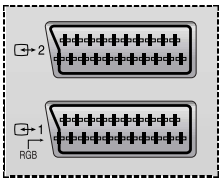
5 Press the (store) button until the corresponding blocks blink.

Connecting to the External Input/Output

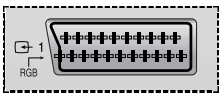
ENG

"⇥1" is used for the equipment with an RGB output, such as video game devices or video disc players.

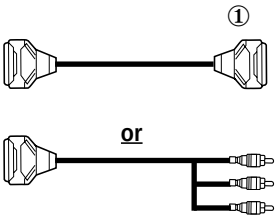
Rear of the TV

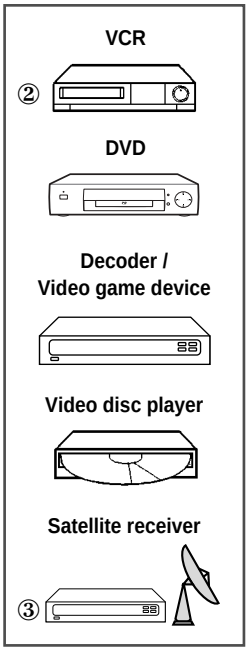


UW21J10VD/
UW28J10VD



UW17J11





① This end can be fitted with:
- A SCART connector
- Three RCA connectors (VIDEO + AUDIO-L/R)

② If you have a second VCR and wish to copy cassettes tape, connect the source VCR to "⇥1" and the target VCR to "⇥2" so that you can redirect the signal from "⇥1" to "⇥2".

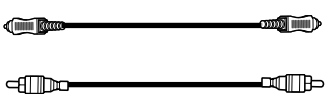
③ When you wish to record a programme, connect the receiver to "⇥1" and the VCR to "⇥2" so that you can redirect the signal from "⇥1" to "⇥2".

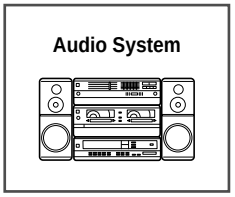
➢ You are recommended to use a 'STRAIGHT' type of SCART connector when making a connection with the SCART JACK.

Connecting to the Digital Audio Outputs

The DIGITAL AUDIO OUT (COAXIAL/OPTICAL) connectors are used for equipment, such as an audio system (to take full advantage of the Surround sound effect).

Rear of the TV



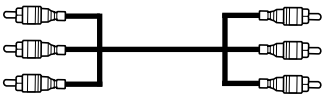


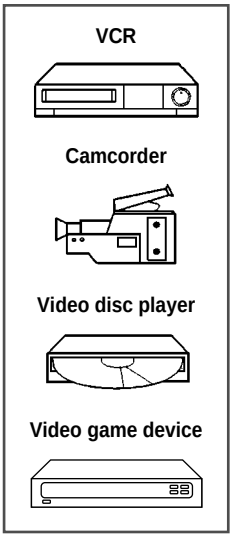
ENG

Connecting to the Audio/Video Input

The RCA (AUDIO-R/L + VIDEO) connectors are used for equipment such as VCRs, camcorders, video disc players and some video game devices.

Side of the TV



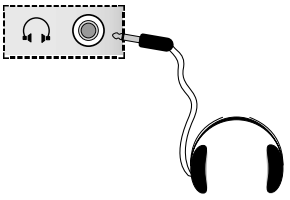


Connecting Headphones

You can connect a set of headphones to your television if you wish to watch a television programme without disturbing the other people in the room.

➢ Prolonged use of headphones at a high volume may damage your hearing.

Side of the TV



SCART Connector Wiring

ENG

If you wish to connect other equipment via the SCART connectors on your television, contact your dealer or a qualified technician to wire the A/V cable as illustrated below.

Pin	Signal
1	Audio output R
2	Audio input R
3	Audio output L
4	Audio chassis return
5	Video chassis return (RGB blue)
6	Audio input L
7	RGB blue input
8	Switching voltage
9	Video chassis return (RGB green)
10	-
11	RGB green input

Pin	Signal
12	-
13	Video chassis return (RGB red)
14	-
15	RGB red input
16	Blanking signal (RGB switching)
17	Video chassis return
18	Blanking signal ground
19	Video output
20	Video input
21	Screening/chassis return

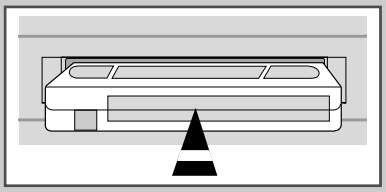
➢ Pins 5, 7, 9, 11, 13, 15 and 16 are used for RGB processing.

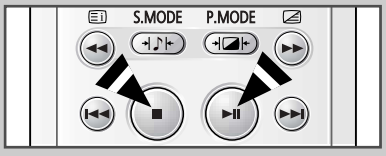
Cleaning the Video Heads

If you find that the quality of the pictures is poor, you can use a special cleaning cassette (purchased from your local video dealer).

Insert the cleaning cassette and press the **PLAY/PAUSE** (▶/❚❚) button. After about 10 to 15 seconds, press the **STOP** (■), followed by **OPEN/CLOSE** (▲) button to eject the cassette. Repeat the operation if necessary.

☛ If the quality of the picture is not improved after having cleaned the video heads, refer to “Troubleshooting” on page 80.





Disc Type and Characteristics

ENG

The DVD player is capable of playing the following types of discs with the corresponding logos:

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD	Audio + Video	5”	Single-sided: 240 min. Double-sided: 480 min.	– DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. – Various screen and audio functions can be easily selected through the on-screen menu.
		3 1/2”	Single-sided: 80 min. Double-sided: 160 min.	
VIDEO-CD	Audio + Video	5”	74 min.	– Video with CD sound, VHS quality and MPEG-1 compression technology.
		3 1/2”	20 min.	
AUDIO-CD	Audio	5”	74 min.	– CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		3 1/2”	20 min.	

Disk Markings

Play Region Number
Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

NTSC broadcast system in U.S.A, Canada, Korea, Japan, etc.

PAL broadcast system

Dolby Digital disc

Stereo disc

Digital Audio disc

DTS disc

MP3

DCDi

Technical Specifications

ENG

The descriptions and characteristics in this booklet are given for information purposes only and are subject to modification without notice.

Model name		17J10	21J10	28J10
Tube type		4: 3		16 : 9
Screen size		17 inch (36.7/39.2 cm)	21 inch (40.6/30.5 cm)	28 inch (57.2/32.2 cm)
Colour systems		PAL, SECAM, NTSC4.43		
TV standards		B/G, I, D/K, L/L' (depending on the model)		
Sound		A2 Stereo, NICAM Stereo, Mono (depending on the model)		
Audio output power		3W x 2	5W x 2	10 W x 2
Power supply		220 ~ 240V, 50/60Hz		
Power consumption		80 watts	110 watts	130 watts
Sockets	Rear	External input/output (**EXT1** / **EXT2**) Digital audio outputs (**COAXIAL** / **OPTICAL**)		
	Side	Audio/Video inputs (**R**-**AUDIO**-**L** / **VIDEO**) Headphone jack		
Demensions (H x W x D)		500 x 424 x 505 mm	594 x 494 x 511 mm	784 x 509 x 561 mm
Weight		21.5 kg	27.5 kg	42.5 kg

Troubleshooting: Before Contacting Service Personnel

ENG

Before contacting Samsung after-sales service, perform the following simple checks.

If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the "**I** " button (On/Off) and the **POWER** (⏻) button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the volume **MUTE** (🔇) button on the remote control has been pressed.
No picture or black and white picture	◆ Adjust the colour settings. ◆ Check that the broadcast system selected is correct.
Sound and picture interference	◆ Try to identify the electrical appliance that is affecting the television, then move it further away. ◆ Plug your television into a different mains socket.
Blurred or snowy picture, distorted sound	◆ Check the direction, location and connections of your aerial. This interference is often occurs to the use of an indoor aerial.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.

You cannot insert a video cassette	◆ A video cassette can only be inserted with the window side up and the safety tab facing you.
The buttons on the front panel have no effect	◆ The panel lock function has been activated; refer to page 34 for further details.
The television programme was not recorded. Timer recording was unsuccessful	◆ Check that the safety tab on the cassette is intact. ◆ Check the timer settings. If there was a power failure or interruption during timer recording, the recording will have been cancelled. ◆ Check that the **POWER** (⏻) button was pressed to activate the timer (STANDBY and TIMER indicators on). : 1 Tuner model.
Noise bars or streaks on playback	◆ Adjust the vertical alignment of the picture; refer to page 42. ◆ Change cassettes. This cassette may be excessively worn.
When the **PLAY/PAUSE** (▶/❚❚) is pressed during playback, the still picture has severe "noise bar" streaks	◆ A still picture may have "noise bars", depending on the condition of the tape. ◆ Adjust the vertical alignment of the picture; refer to page 42.
The rewind or fast-forward functions have no effect	◆ Check that the tape is not already at the beginning or end of the cassette respectively.

C18A_ENG_europe_17"_firal 11/17/03 10:15 AM Page 81

Troubleshooting: Before Contacting Service Personnel (continued)

ENG

No operations can be performed with remote.	◆ Check the batteries in the remote. May need replacing. ◆ Operate the remote control at a distance of no more than 20 feet. ◆ Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.
Disc does not play.	◆ Ensure that the disc is installed with the label side facing up. ◆ Check the region number of the DVD.
5.1 channel sound is not being reproduced.	◆ 5.1 channel sound is reproduced only when the following conditions are met. : 1) Check whether the proper amplifier is connected. 2) The disc is recorded with 5.1 channel sound. - Check whether the disc being played has the “Dolby 5.1 ch” mark on the outside. - Check if your audio system is connected and working properly. - In the **Audio Setup** menu, is the **Digital Output** set to **Bitstream**?
The ⊘ icon appears on screen.	◆ The features or action cannot be completed at this time because : 1) The DVD’s software restricts it. 2) The DVD’s software doesn’t support the feature (e.g., angles). 3) The feature is not available at the moment. 4) You’ve requested a title or chapter number or search time that is out of range.
Disc Menu doesn’t appear.	◆ Check if the disc has a Menu.
Playback mode differs from the Setup Menu selection.	◆ Some of the functions selected in the **Setup** Menu may not work properly if the disc is not encoded with the corresponding function.
The screen ratio can not be changed.	◆ The Screen Ratio is fixed on your DVDs.
No audio.	◆ Make sure you have selected the correct **Digital Output** in the **Audio Setup** menu.
Forgot password.	◆ If you have lost your password, enter the master password (1369), and then change password is displayed. ◆ Enter your new password. ◆ Enter your new password again to confirm. (refer to page 69)
If you experience other problems.	◆ Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again. ◆ If the problem still cannot be solved, please contact your nearest authorized service center.

Wiring the Mains Power Supply Plug (UK Only)

ENG

IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BSI1362 of the same rating must be used.
Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer.
If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.
However, if there is no alternative to cut off the plug, remove the fuse and then safely dispose of the plug.
Do NOT connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL BROWN - LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.
The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL, WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚, OR COLOURED GREEN OR GREEN AND YELLOW.

Memo

– AFTER SALES SERVICE

– Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

SAMSUNG ELECTRONICS

European Notice

Products with the CE marking comply with the EMC Directive (89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- **EN55013:1990**
  Radio Frequency Interference
- **EN55020:1994**
  Electromagnetic Immunity
- **EN61000-3-2:1995**
  Power Line Harmonics
- **EN61000-3-3:1995**
  Voltage Fluctuations
- **EN60065:1998**
  Product Safety

AA68-03226A-00